COAL OUTPUT OF ALBERTA
1922

TABLES #6 AND 7, FOR REASONS STATED IN #6, REPRESENT THE OUTPUT FOR THE YEARS 1920 AND 1921 COMBINED

AUTHORITY FOR PRODUCTION, DISPOSITION, WHEN AND WHERE PRODUCED:- MINES BRANCH REPORT OF THE PROVINCE OF ALBERTA

Graph Number 74. Compiled by Wm Pearce. Calgary, Alberta, July 1923.

Note. Each Table is designated thus: ◯

OUTLINE MAP OF CANADA

West of Longitude 88 degrees (which is some distance east of Port Arthur and Fort William) to the Pacific Ocean, and extending from the 49th parallel to the 60th parallel of Latitude, showing the Railway Systems and Coal Fields of Alberta.

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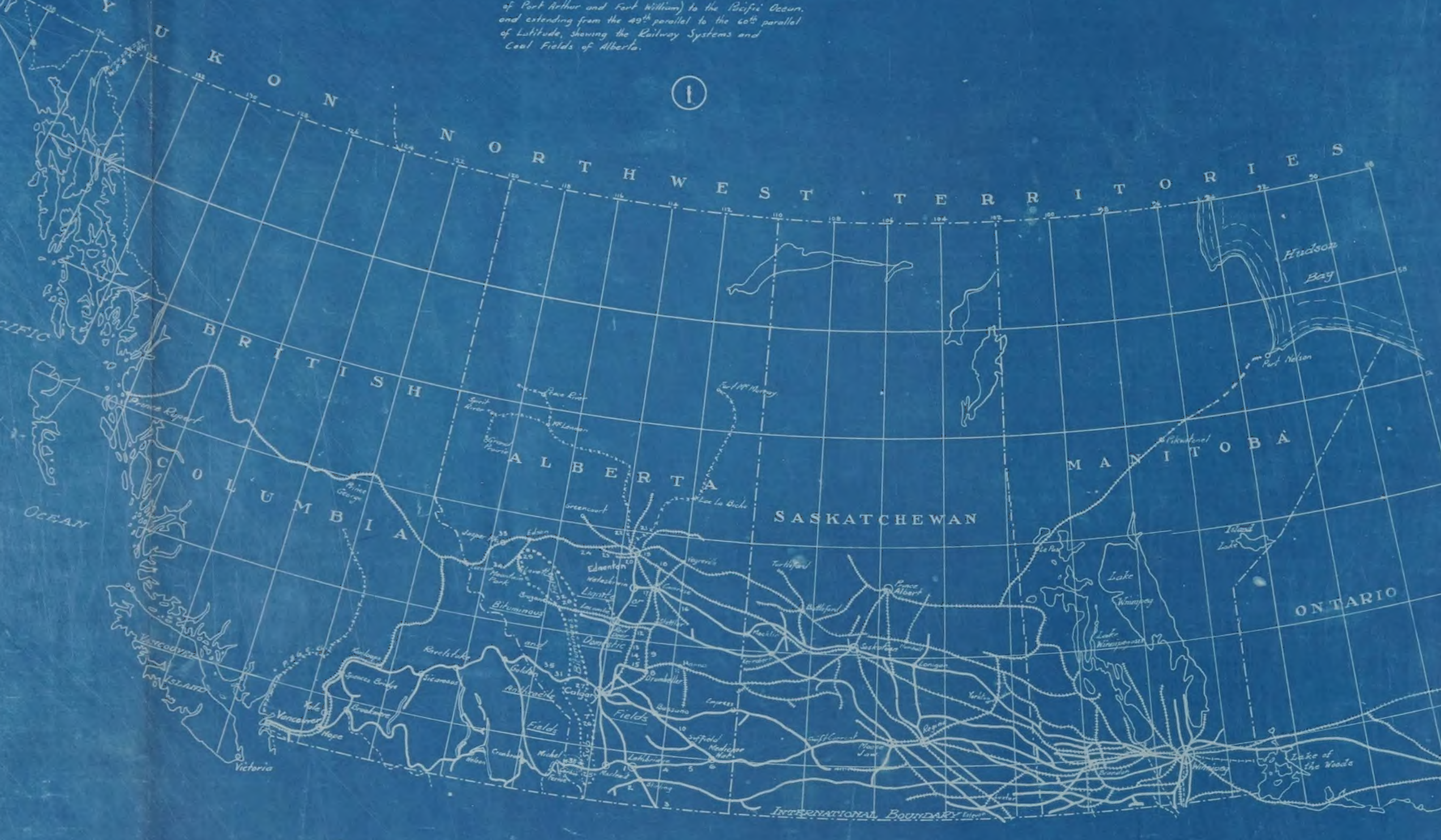


LEGEND

Canadian National Railway System.	shown thus: ++++++++++
Canadian Pacific Railway.	" " ———
Edmonton, Dunvegan and B.C. Rly. and Canada Central Rly. Alberta and Great Waterways Railway. Lacombe and North Western Railway } Provincial Railways of Alberta.	" " –x–x–x–x–
Great Northern Railway	" " - - - - - -
Winnipeg Waterways Railway	" " –ı–ı–ı–ı–

②

Schedule showing – First, the different Coal Fields of Alberta: (thirty five in all) Secondly, the sales from each field; Thirdly, the percentage of sales of kind; Fourth, the percentage of Sales of all kinds. It also shows the analysis of the Coals of each field so far as obtainable. Sales equal 93·78% of the total output of Lignites and 96·40% " " " " Bituminous

No.	Field	Total Sales	% of total sales of kind	% of total sales of all kinds	M.	V.	F.	A.	B.T.U.	Auth.
	LIGNITES OR DOMESTIC									
1	Lethbridge	511,872 Tons	17·68	9·01	7·9	34·54	47·43	10·13	11,710	C
2	Magrath	3,137 "	·108	·005	3·91	38·01	46·75	11·33	11,897	E
3	Milk River	8,816 "	·282	·155	3·91					
4	Taber	53,057 "	1·83	·934	11·7	31·79	44·04	12·45	11,044	C
5	Bow Island	5,883 "	·203	·136	17·16	30·90	46·27	5·57	9,169	E
6	Medicine Hat	30,965 "	1·07	·545	19·06	33·07	40·35	5·51	8,833	E
7	Aldersyde	11,872 "	·41	·209	10·17	32·44	50·84	6·78	10,109	G
8	Drumheller	1,122,055 "	38·76	19·76	14·5	35·6	43·4	6·5	9,550	D
9	Big Valley	36,068 "	1·246	·635	17·14	36·74	40·78	5·26		E
10	Brooks	15,272 "	·527	·268						
11	Hanna	40,056 "	1·38	·705						
12	Lacombe	15,706 "	·542	·276	14·7	31·17	42·03	12·10	8,714	G
13	Trochu	17,475 "	·603	·307	12·2	32·1	49·3	6·4	10,042	G
14	Three Hills	41,057 "	1·418	·723	11·70	36·75	51·35	6·2		G
15	Carbon	38,052 "	1·31	·67	11·57	35·64	45·21	7·79		E
16	Battle River	22,382 "	·773	·394	[illegible]	33·75	46·59	6·66	9,744	G
17	Camrose	72,513 "	2·505	1·27	16·8	31·22	45·13	6·35	9,361	G
18	Tofield	86,131 "	2·906	1·51	25·0	29·8	36·7	8·5	7,990	D
19	Clover Bar	411,769 "	14·22	7·25						
20	Edmonton	106,707 "	3·68	1·88	18·97	32·61	40·18	8·25	11,000	C
21	Namao	7,991 "	·276	1·40						
22	Cardiff	98,731 "	3·41	1·738	26·0	31·6	40·4	8·0	8,770	D
23	Wabamun	38,112 "	1·38	·671	16·4	31·52	45·19	6·9	9,234	G
24	Pembina	98,540 "	3·40	1·735	17·6	29·22	43·85	9·33	9,440	D
	Total	2,894,220								
	SUB-BITUMINOUS									
25	Pincher Creek	10,811 Tons	1·76	·19	3·8	18·96	38·67	38·57	9,810	C
26	High River	1,960 "	·32	·034	2·35	35·17	54·58	5·87		E
27	Calgary	161 "	·026	·002						
28	Saunders	69,700 "	11·39	1·227						
29	Yellow Head	529,319 "	86·49	9·322	2·3	18·5	57·8	21·4	11,580	G
	Total	611,951								
	BITUMINOUS AND ANTHRACITE									
30	Crowsnest Pass	984,574 "	45·33	17·34	4·77	24·1	56·41	14·62	12,410	C
31	Canmore	157,108 "	7·23	2·767	1·02	11·41	82·42	3·62		E
32	Brazeau	315,085 "	14·50	5·547	0·51	17·53	68·35	13·61	13,155	G
33	Jasper Park	324,098 "	14·92	5·708	2·3	18·5	57·8	21·4	11,580	G
34	Mountain Park	353,524 "	16·27	6·226	3·2	30·5	62·0	4·3	14,214	G
35	Banff	37,243 "	1·71	·655						
	Total	2,171,632								

The percentage of Moisture in the Lignite Coals, found in the generally flat seams in these fields, increases with the distance eastward from the base of the Rocky Mountains.

Note "M" denotes "Moisture Content". "V" denotes "Volatile Combustible".
"F" " "Fixed Carbon" "A" " "Ash"
"B.T.U." denotes "British Thermal Units"
Authority "C" denotes McGill University (Investigations by Porter, Durley #83, Vol. 13)
"D" " Mines Branch No 331 – 1915.
"E" " Memoir #53 No. 44 Geo. Survey, D. B. Dowling 1914
"G" Various Sources believed by Compiler to be correct.

Note. Except in Numbers 2 and 3, Sub-Bituminous is grouped with Bituminous and Anthracite. See Memo.

③

Showing the six chief fields of Lignite sales representing upwards of 81% of the total. Also the three chief fields of sub-bituminous, and all the fields furnishing bituminous and Anthracite, showing in each case the percentage of sales of kind and the volume in tons of each of the fields mentioned.

Field	Percentage	Tonnage
LIGNITES OR DOMESTIC		
Taking the Fields in order of production represented in percentages and Tonnage		
Drumheller	38·76	1,122,055
Lethbridge	17·68	511,872
2 Combined	56·46	1,633,927
Clover Bar	14·22	411,768
3 Combined	70·68	2,045,695
Edmonton	3·68	106,707
4 Combined	74·36	2,152,402
Cardiff	3·41	98,731
5 Combined	77·77	2,251,133
Pembina	3·40	98,540
6 Combined	81·17	2,349,673

Leaving 18·83% or 544,547 tons distributed among 18 Fields, an average per field of 30,262 tons or slightly over 1% per field. If however, Taber, Canmore and Tofield are included, their sales combined, amount to 211,701 Tons or 7·24% leaving 332,846 Tons or 11·59% in the 15 fields or 22,000 Tons or 0·77% per field.

SUB-BITUMINOUS

This is a classification initiated in 1922. Leaving Pincher Creek and High River formerly classed as Lignite, Saunders as Bituminous and included in Brazeau

Field	Percentage	Tonnage
Yellowhead	86·49	529,319
Saunders	11·39	69,700
2 Combined	97·88	599,019
Pincher Creek	1·76	10,817
3 Combined	99·64	509,830

Leaving High River and Calgary 0·36% or 2,121 Tons

Field	Percentage	Tonnage
BITUMINOUS AND ANTHRACITE		
Crowsnest Pass	45·33	984,574
Mountain Park	16·27	353,524
2 Combined	61·60	1,338,098
Jasper Park	14·92	324,098
3 Combined	76·52	1,662,196
Brazeau	14·50	315,085
4 Combined	91·02	1,977,281
Canmore	7·23	157,108
5 Combined	98·25	2,134,389
Banff	1·71	37,243
Total	99·96	2,171,632

④

Graph showing where the Lignite or Domestic Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, and the United States, showing Sales in Tonnages and Percentages. (Note particularly the headings concerning the percentages.)

LIGNITE OR DOMESTIC SALES FOR 1922

				BRITISH COLUMBIA.				SASKATCHEWAN				MANITOBA				ONTARIO				UNITED STATES				RAILWAYS			
Fields	Amount Exported	% of total Sales of each Kind 1,650,224	% of total Sales of all Kinds 3,178,187	69,701 tons or 4·22% of total Sales	% of total Sales in B.C. of Kind 69,701 Tons	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	1,104,846 tons or 66·96% of total Sales	% of total Sales in Sask. of kind 1,104,846	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	436,437 or 26·46% of total Sales	% of total Sales in Man. of kind 436,437	% of total Sales of kind 1,650,224	% of total Sales of all kinds 3,178,187	20,649 or 1·25% of Total Sales	% of total Sales in Ont. of kind 20,642	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	18,453 or 1·11% of Total Sales	% of total Sales in U.S. of kind 18,453	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187				
Drumheller	895,434	51·26	28·18	18,284	26·23	1·11	0·57	563,600	51·01	34·16	17·73	298,640	68·42	18·10	9·48	10,301	49·88	0·63	0·32	4,609	24·97	0·28	0·14				
Lethbridge	371,630	22·52	11·70	27,025	38·37	1·64	0·85	293,785	26·59	17·80	9·24	43,661	10·00	2·65	1·37	865	4·19	0·05	0·03	6,294	34·10	0·38	0·20				
Clover Bar	90,727	5·50	2·86	3,089	4·43	0·19	0·09	65,378	5·91	3·96	2·05	21,076	4·82	1·28	0·66	1,016	4·93	0·06	0·03	64	0·35						
Pembina	75,827	4·60	2·39	16,505	23·68	1·00	0·52	23,934	2·16	1·45	0·75	30,242	6·92	1·83	0·95	4,644	22·50	0·28	0·14	506	2·72	0·03	0·02				
Tofield	44,509	2·70	1·40	60				39,798	3·60	2·41	1·25	4,651	1·06	0·28	0·14												
Taber	39,143	2·37	1·23	1,082	1·56	0·06	0·03	24,568	2·22	1·49	0·77	8,596	1·96	0·52	0·27	528	2·56	0·03	0·01	4,369	23·67	0·26	0·13				
Camrose	24,986	1·51	0·79	Nil.	Nil	Nil.	Nil	20,674	1·87	1·25	0·65	4,247	0·97	0·26	0·13	65	0·31										
Cardiff	17,864	1·08	0·56	Nil.	Nil	Nil	Nil	14,601	1·32	0·89	0·46	3	0·74	0·20	0·10												
Big Valley	6,441	0·39	0·20	32				4,878	0·44	0·30	0·15	1,531	0·35	0·09	0·04												
Edmonton	6,293	0·38	0·20	30				3,369	0·30	0·20	1·06	2,894	0·66	0·18	0·91												
Balance – 14 Fields	77,370	4·69	2·43	3,594	5·16	0·22	0·11	50,241	4·55	3·05	1·58	17,692	4·05	1·07	0·55	3,228	15·63	0·20	1·00	2,615	14·17	0·16	0·08				
Total.	1,650,224	100·00	51·94	69,701	99·83	4·22	2·06	1,104,846	99·97	66·96	35·69	436,473	99·95	26·46	14·52	20,649	100·00	1·25	1·53	18,453	99·96	1·11	0·57				

⑤

Graph showing where the Bituminous and Anthracite Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, U.S. and Railways, showing sales in percentages and tonnage. The percentage allotted for Railways consumption outside the province is assumed at 50% of the Total.

BITUMINOUS AND ANTHRACITE SALES FOR 1922

Fields	Amount Exported			BRITISH COLUMBIA.				SASKATCHEWAN				MANITOBA				ONTARIO				UNITED STATES				RAILWAYS			
Crowsnest Pass	530,030	34·69	16·68	10,386	27·13	0·68	0·33	54,770	20·56	3·60	1·73	11,757	13·99	0·77	0·37	92	9·66			86,640	99·58	5·67	2·72	366,385	34·86	24·00	11·53
Yellowhead.	280,792	18·38	8·83	13,279	34·69	0·87	0·42	27,292	10·24	1·80	0·86	42,344	50·40	2·77	1·33	405	43·83	0·03						194,472	18·79	12·93	6·21
Mountain Pk.	263,139	17·22	8·28	11,516	30·08	0·75	0·36	157,422	59·09	10·30	4·95	9,122	10·85	0·60	0·29									85,079	8·09	5·57	2·68
Jasper Park	161,855	10·60	5·09	304	0·80	0·02		246	0·09	0·01						34	3·68							161,271	15·34	10·56	5·08
Brazeau	154,490	10·11	4·86					37	0·01															154,453	14·69	10·11	4·86
Canmore	74,545	4·88	2·34	221	0·60	0·01		1,794	0·67	0·11	0·05	174	0·19	0·01										72,356	6·88	4·73	2·28
Anthracite	16,399	1·07	0·53	1288	3·36	0·08	0·04	796	0·30	0·05	0·02	10	0·01							70				14,235	1·35	0·93	0·45
Saunders	45,731	2·99	1·44	727	1·89	0·05	0·02	23,923	9·00	1·56	0·75	20,638	24·56	1·35	0·65	395	42·53	0·03	0·01	50							
Pincher Creek																				301	0·34	0·01	0·01				
High River	982	0·06	0·03	553	1·45	0·04	0·02	123	0·04																		
and Calgary																											
Total	1,527,963	100·00	48·06	38,279	100·00	2·50		266,403	100·00	17·43		84,045	100·00	5·50		924	100·00	0·06		86,991	99·92	5·68		1,051,251	100·00	68·83	
Grand Total	3,178,187		100·00	107,980				1,371,249				520,518				21,573				105,514				1,051,251			

ALBERTA AND SOUTH-EASTERN BRITISH COLUMBIA, COMBINED

Note. The Bituminous Field of Southern Alberta and South Eastern British Columbia are one and the same field. Interests are interlocking, therefore it would be logical and advisable to combine them.

Scale:- 1" equals 600,000 Tons

⑭

Lignite or Domestic:- 2,894,220 Tons or 46·1% of Total — Sub-Bitum. 611,951 Tons — Bituminous and Anthracite (Alberta) 2,171,632 Tons or 34·6% — B.C. 597,628 Tons

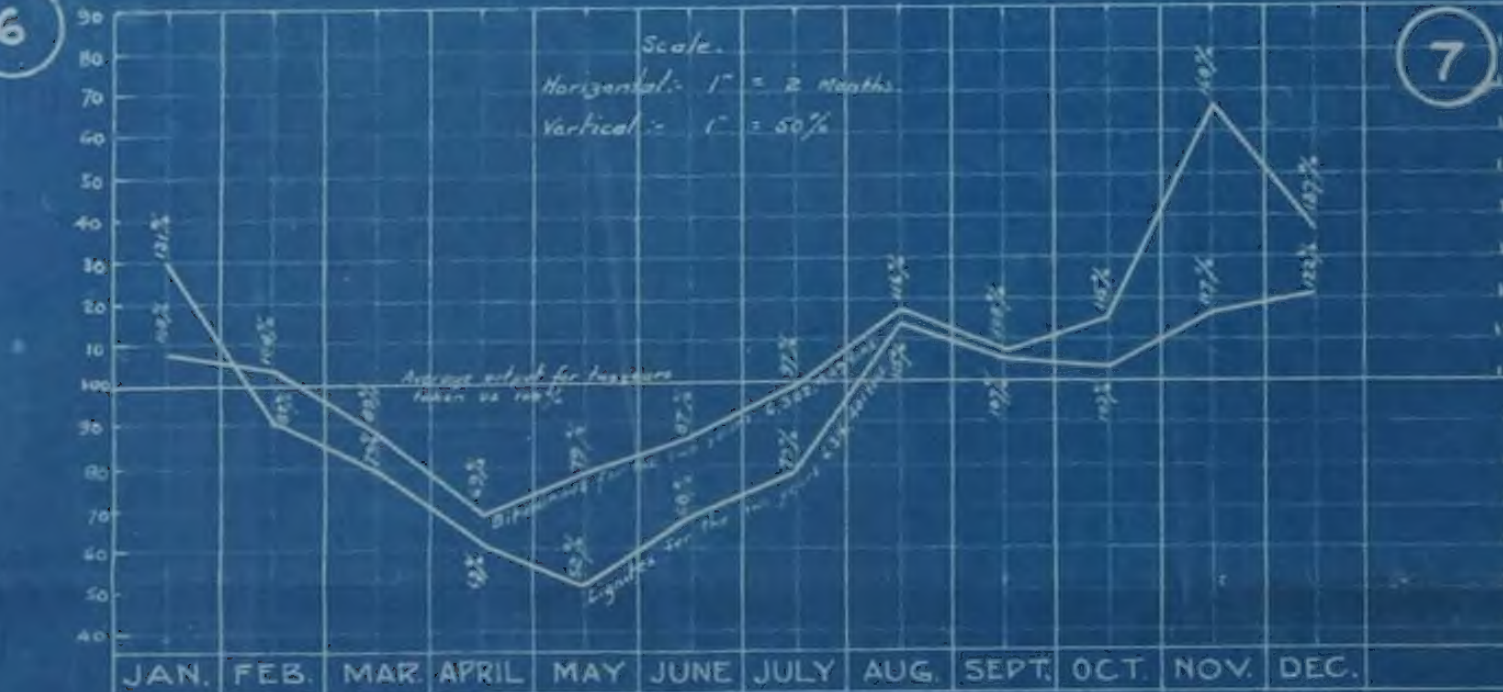
Total Tonnage equals 6,275,421 Tons, or 100%

B.C. BITUMINOUS Showing where produced and Shipped to. Total Output 597,628 Tons.

FIELD	OUTPUT OF FIELD	UNITED STATES SALES	CANADIAN SALES	M.	V.	F.	A.	B.T.U.	Authority
Coal Creek	304,866 Tons or 51%	214,519 Tons or 53·7%	90,347 Tons or 45·55%	0·87	25·28	68·32	5·53	14,458	W. R. Wilson, Pres. Crowsnest Pass Coal Company, Ltd. 16th Aug. 1923.
Michel	232,866 " " 39%	140,209 " " 35·2%	92,297 " " 46·55%	0·80	24·52	67·45	7·23	14,192	
Corbin Coal and Coke Company	59,896 " " 10%	44,157 " " 11·1%	15,739 " " 7·9%						
Total	597,628 " " 100%	398,885 " " 100%	199,383 " " 100%						

⑥

Graph showing the total output of Lignites and Bituminous Coals for each month of the year by percentages, taking the average monthly production as 100. (As there was a strike during 1922, the combined production of 1920 and 1921 is taken on which to base the percentages.



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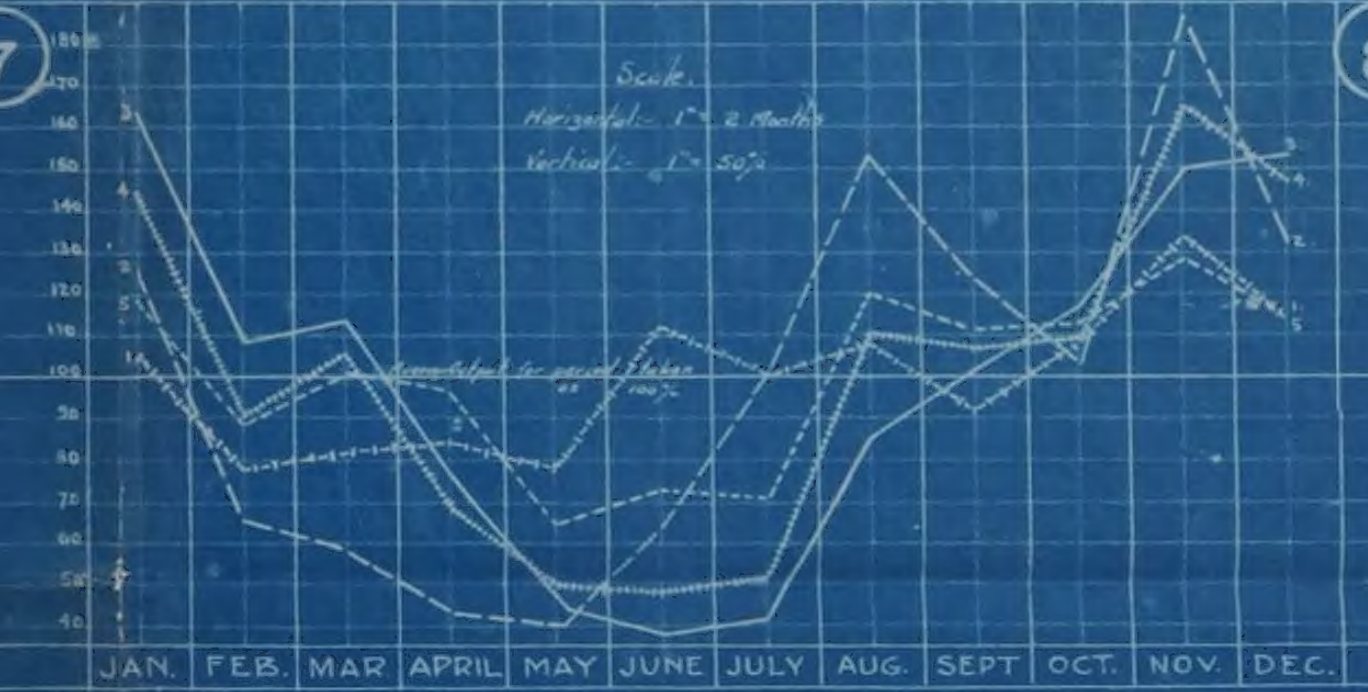
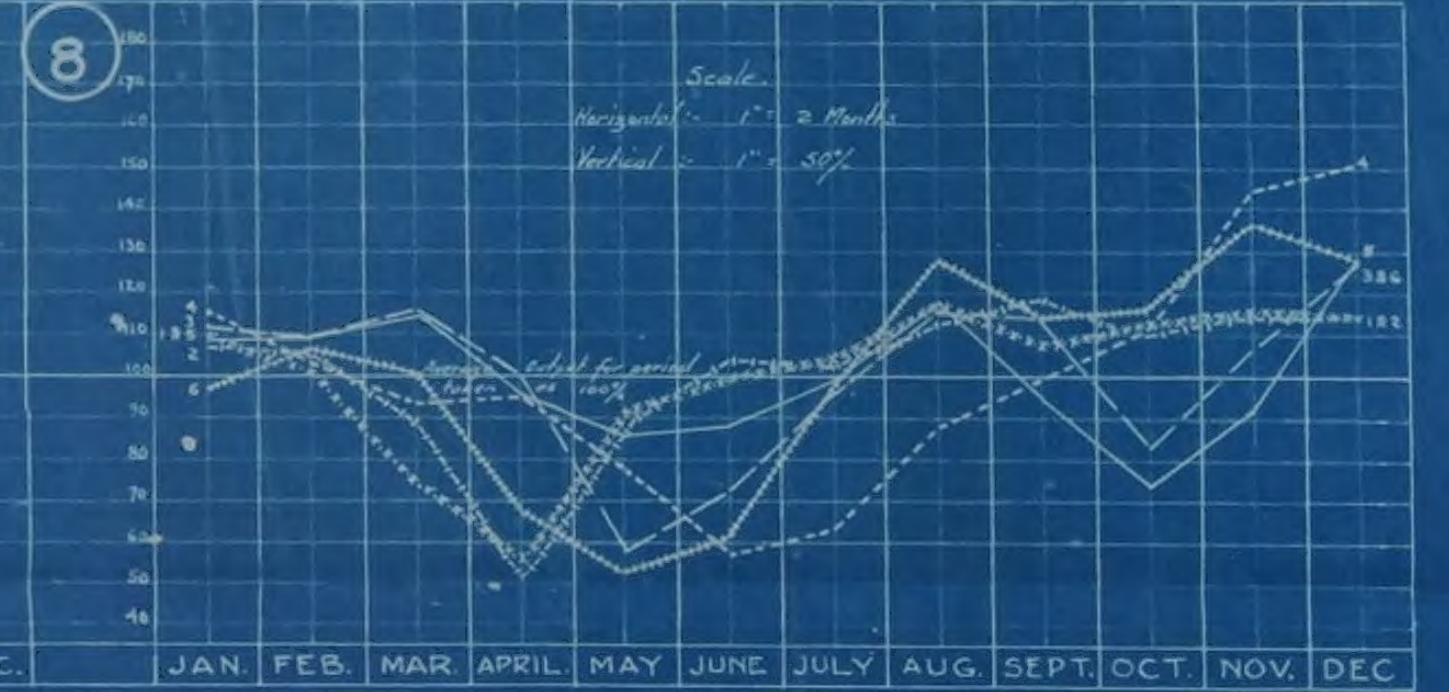
Graph showing the Five chief mines of the Lignite production showing the output for each month of the year, taking 100 as the average monthly production and basing it as in No. 6, on the combined production for the years 1920 and 1921



Legend. No. 1. denotes Drumheller and is shown thus:- –ı–ı–ı–ı–
No. 2 " Lethbridge " " " " — — — —
No. 3 " Clover Bar " " " " ————
No. 4 " Cardiff " " " " ••••••••
No. 5 " Pembina " " " " - - - - - -

⑧

Graph showing the six chief mines of the Bituminous production, showing the output for each month of the year; taking 100 as the average monthly production, and basing it as in No. 6 and 7, on the combined production for the years 1920 and 1921. Note These six fields practically cover the entire production.



Legend. No. 1 denotes Crowsnest Pass and is shown thus:- ×·×·×·×·×
No. 2 " Canmore " " " " –ı–ı–ı–ı–
No. 3 " Brazeau " " " " — — — —
No. 4 " Jasper Park " " " " - - - - - -
No. 5 " Yellowhead " " " " ————
No. 6 " Mountain Park " " " " ••••••••

⑨ The total Monthly output both for the Lignite and Bituminous Fields for the years 1920 – 21. Note the average production. Each of the two are the same within a few tons, so that the two average lines cannot be shown separately. It will also be noticed that the variation from the average is very much greater for the Lignite than it is for the Bituminous

⑩ Graph showing the monthly output of the Five chief mines (Lignite) which includes all that produce upwards of 100,000 Tons per annum. The said Five mines produce 81·41% of the Total output, leaving 18·59% to be divided among the remaining 21 Fields. Note the Vertical lines which represent the average monthly output of Lignites for each of the Five mines. The output for the Lethbridge Field is much steadier than any of the others. The largest field (Drumheller) has much the greatest variation.

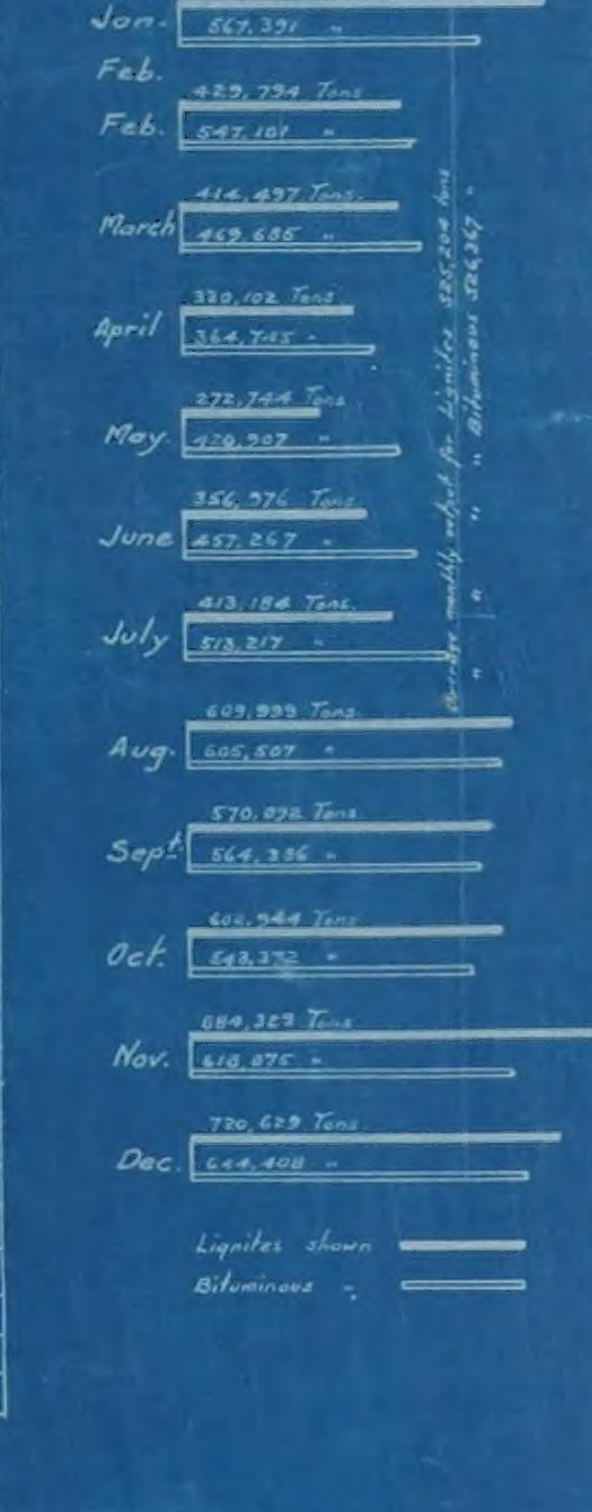
⑪ Graph showing the % of increase or decrease of Lignite production for the month, based on the preceding month. (1920-21 combined) The Vertical centre line represents the average monthly production for the year and the horizontal line to the left shows the monthly percentage in which it is under. The line to the right shows where it exceeds the monthly average. It is thought that this would prove both interesting and instructive.

⑫ Graph showing the monthly output of the entire Bituminous Field. This is worked out on the same basis as No 10. It will be noticed however that there is much less monthly variation in the Bituminous than there is in the Lignites. The leading field viz:- Crowsnest Pass has a less percentage of variation than the other fields.

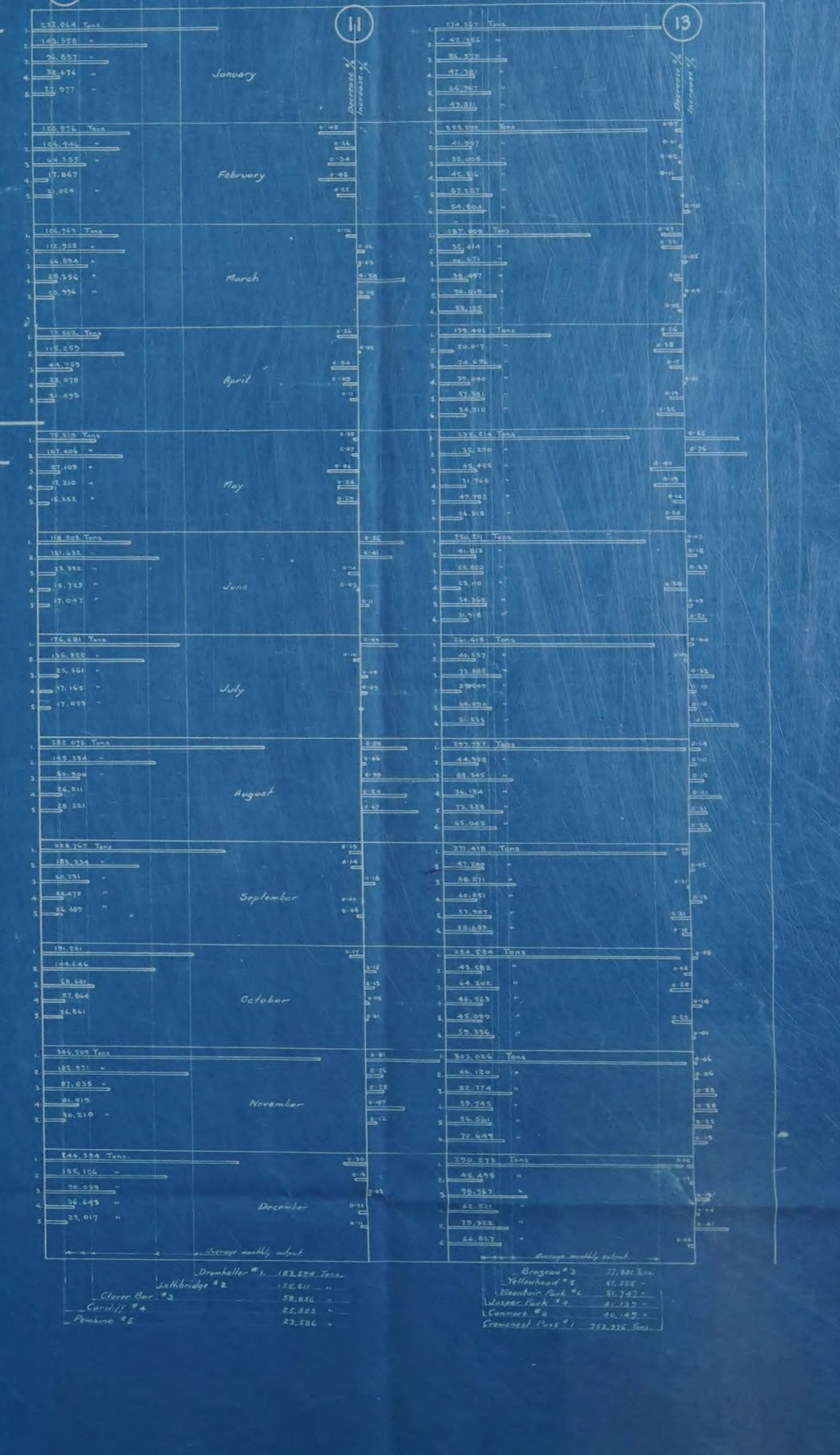
⑬ Graph showing the percentage of increase and decrease of Bituminous Coals, based on the preceding month. 1920 and 1921 Combined. Graph similar to Number 11.

LIGNITES AND BITUMINOUS
Total Output for 1920-21 Combined.
Scale:- 400,000 Tons = 1"

⑨

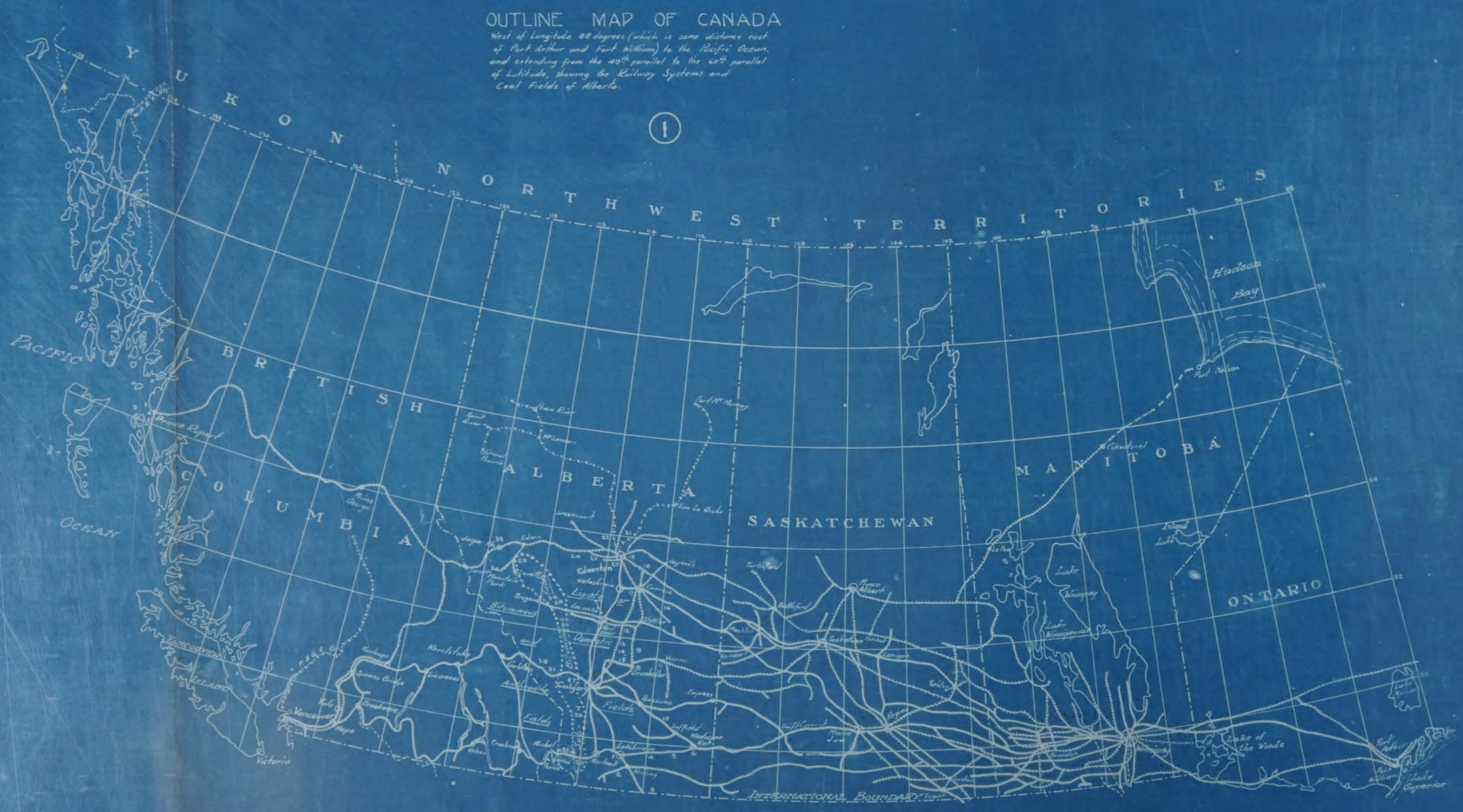


⑩ LIGNITES 1920 and 1921 Combined. ⑪ Scale:- 100,000 Tons = 1 inch BITUMINOUS 1920 and 1921 Combined ⑫ ⑬



Drumheller #1. 183,594 Tons.
Lethbridge #2 135,611 "
Clover Bar #3 58,856 "
Cardiff #4 25,883 "
Pembina #5 23,586 "

Brazeau #3 77,801 Tons.
Yellowhead #5 61,555 "
Mountain Park #6 51,747 "
Jasper Park #4 41,137 "
Canmore #2 40,149 "
Crowsnest Pass #1 252,376 Tons.



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West of Longitude 88 degrees (which is some distance east of Port Arthur and Fort William) to the Pacific Ocean, and extending from the 49th parallel to the 60th parallel of Latitude, showing the Railway Systems and Coal Fields of Alberta.

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LEGEND

Canadian National Railway System.	shown thus: ┼┼┼┼┼┼┼┼┼┼
Canadian Pacific Railway.	" " ──────────
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Winnipeg Waterways Railway	" " —I—I—I—I—I—I—

COAL OUTPUT O

1922

TABLES #6 AND 7, FOR REASONS STATED IN #6, RE

. YEARS 1920 AND 1921 COM

AUTHORITY FOR PRODUCTION, DISPOSITION, WHEN AND WHERE PROD

PROVINCE OF ALBERTA

Graph Number 74.

Compiled by Wm Pearce.

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12	Lacombe	15,706 "	·542	·276	14·7	31·17	42·03	12·10	8,714	G
13	Trochu	17,475 "	·603	·307	11·2	32·1	49·3	6·4	10,042	G
14	Three Hills	41,057 "	1·418	·723	11·70	30·75	51·35	6·2		G
15	Carbon	38,052 "	1·31	·67	11·57	35·66	45·32	7·70		E
16	Battle River	22,382 "	·773	·394	[illegible]	33·75	46·59	6·66	9,744	G
17	Camrose	72,513 "	2·505	1·27	14·8	31·82	46·15	6·05	9,161	G
18	Tofield	86,131 "	2·906	1·51	25·0	29·8	36·7	8·5	7,990	D
19	Clover Bar	411,768 "	14·22	7·25						
20	Edmonton	106,707 "	3·68	1·88	16·97	32·61	41·18	8·25	11,000	C
21	Namao	7,991 "	·276	1·40						
22	Cardiff	98,731 "	3·41	1·738	26·0	31·4	43·4	8·0	8,770	D
23	Wabamun	38,112 "	1·38	·671	16·4	31·52	45·19	6·9	9,234	G
24	Pembina	98,540 "	3·40	1·735	17·6	29·22	43·85	9·33	2,040	D
	Total	2.894,220								
	SUB - BITUMINOUS									
25	Pincher Creek	10,811 Tons	1·76	·19	3·8	28·96	38·67	28·57	9,510	C
26	High River	1,960 "	·32	·034	2·35	35·27	56·58	5·87		E
27	Calgary	161 "	·026	·002						
28	Saunders	69,700 "	11·39	1·227						
29	Yellow Head	529,319 "	86·49	9·322	2·5	18·5	57·6	21·4	11,580	G
	Total	611,951								
	BITUMINOUS AND ANTHRACITE									
30	Crowsnest Pass	984,574 "	45·33	17·34	4·77	24·1	56·41	14·62	12,410	C
31	Canmore	157,108 "	7·23	2·767	1·02	15·41	82·02	3·62		E
32	Brazeau	315,085 "	14·50	5·547	0·51	17·53	68·35	13·61	13,155	G
33	Jasper Park	324,098 "	14·92	5·708	2·3	18·5	57·8	21·4	11,580	G
34	Mountain Park	353,524 "	16·27	6·226	3·2	30·5	62·0	4·3	14,210	G
35	Banff	37,243 "	1·71	·655						
	Total	2,171,632								

The percentage of Moisture in the Lignite Coals, found in the generally flat seams in these fields, increases with the distance eastward from the outcrops of the Rocky Mountains.

Note "M" denotes "Moisture Content". "V" denotes "Volatile Combustible".
"F" " "Fixed Carbon" "A" " "Ash"
"B. T. U" denotes "British Thermal Units"
Authority "C" denotes "McGill University. (Investigations by Porter, Durley #83, Vol. 13)
"D" " Mines Branch No 331 - 1915.
"E" " "Memoir #53 No. 44 Geo. Survey, D. B. Dowling 1914
"G" Various Sources believed by Compiler to be correct.

Note. Except in Numbers 2 and 3, Sub-Bituminous is grouped with Bituminous and Anthracite.

COAL OUTPUT OF ALBERTA
1922

TABLES #6 AND 7, FOR REASONS STATED IN #6, REPRESENT THE OUTPUT FOR THE YEARS 1920 AND 1921 COMBINED

AUTHORITY FOR PRODUCTION, DISPOSITION, WHEN AND WHERE PRODUCED:- MINES BRANCH REPORT OF THE PROVINCE OF ALBERTA

Graph Number 74. Compiled by Wm Pearce. Calgary, Alberta. July 1923.

Note. Each Table is designated thus: ○

Schedule showing - First, the different Coal Fields of Alberta: (thirty five in all) Secondly, the sales from each field; Thirdly, the percentage of sales of kind; Fourth, the percentage of Sales of all kinds. It also shows the analysis of the Coals of each field so far as obtainable.
Sales equal 93·78% of the total output of Lignites
and 96·40% " " " " " Bituminous

②

No.	Field	Total Sales	% of total sales of kind	% of total sales of all kinds.	Analysis M.	V.	F.	A	B.T.U.	[illegible]
	LIGNITES OR DOMESTIC									
1	Lethbridge	511,872 Tons	17·68	9·01	7·9	34·54	47·43	10·13	11,710	C
2	Magrath	3,137 "	·108	·005	3·91	38·01	46·75	11·33	11,887	E
3	Milk River	8,816 "	·282	·155	3·91					
4	Taber	53,057 "	1·83	·934	11·7	31·77	44·04	12·45	11,044	C
5	Bow Island	5,883 "	·203	·136	17·26	30·90	46·27	5·57	9,259	E
6	Medicine Hat	30,965 "	1·07	·545	19·06	33·07	42·35	5·51	8,833	E
7	Aldersyde	11,872 "	·41	·209	10·37	32·02	50·84	6·78	10,109	G
8	Drumheller	1,122,055 "	38·76	19·76	16·5	33·6	43·4	6·5	9,650	D
9	Big Valley	36,068 "	1·246	·635	17·26	30·70	42·78	9·26		E
10	Brooks	15,272 "	·527	·268						
11	Hanna	40,056 "	1·38	·705						
12	Lacombe	15,706 "	·542	·276	14·7	31·17	42·03	12·10	8,714	G
13	Trochu	17,475 "	·603	·307	12·2	32·1	44·3	6·4	10,002	G
14	Three Hills	41,057 "	1·418	·723	11·70	30·75	51·35	6·2		G
15	Carbon	38,052 "	1·31	·67	11·57	35·64	45·21	7·79		E
16	Battle River	22,382 "	·773	·394	[illegible]	31·75	46·59	6·66	9,744	G
17	Camrose	72,513 "	2·505	1·27	16·8	31·22	45·13	6·35	9,361	G
18	Tofield	86,131 "	2·906	1·51	25·0	29·8	36·7	8·5	7,990	D
19	Clover Bar	411,768 "	14·22	7·25						
20	Edmonton	106,707 "	3·68	1·88	18·97	32·61	40·18	8·25	11,000	C
21	Namao	7,991 "	·276	1·40						
22	Cardiff	98,731 "	3·41	1·738	26·0	31·6	40·4	3·0	8,770	D
23	Wabamun	38,112 "	1·38	·671	16·4	31·52	45·19	6·9	9,234	G
24	Pembina	98,540 "	3·40	1·735	17·6	29·22	43·85	9·33	9,040	D
	Total	2,894,220								
	SUB - BITUMINOUS									
25	Pincher Creek	10,811 Tons	1·76	·19	3·8	28·56	38·67	28·57	9,810	C
26	High River	1,960 "	·32	·034	2·35	35·27	56·58	5·87		E
27	Calgary	161 "	·026	·002						
28	Saunders	69,700 "	11·39	1·227						
29	Yellow Head	529,319 "	86·49	9·322	2·5	18·5	57·5	21·4	11,580	G
	Total	611,951								
	BITUMINOUS AND ANTHRACITE									
30	Crowsnest Pass	984,574 "	45·33	17·34	4·77	26·1	56·41	16·62	12,410	C
31	Canmore	157,108 "	7·23	2·767	1·02	13·48	82·02	3·62		E
32	Brazeau	315,085 "	14·50	5·547	0·51	17·53	68·35	13·61	13,155	G
33	Jasper Park	324,098 "	14·92	5·708	2·3	18·5	57·8	21·4	11,580	G
34	Mountain Park	353,524 "	16·27	6·226	1·2	30·5	62·0	4·3	14,214	G
35	Banff	37,243 "	1·71	·655						
	Total	2,171,632								

The percentage of Moisture in the Lignite Coals, found in the generally flat seams in these fields, increases with the distance eastward from the axis of the Rocky Mountains.

Note "M" denotes "Moisture" Content". "V" denotes "Volatile Combustible."
"F" " "Fixed Carbon" "A" " "Ash"
"B.T.U" denotes "British Thermal Units"
Authority "C" denotes "Mc Gill University. (Investigations by Porter, Durley # 83, Vol. 13)
"D" " Mines Branch No 331 - 1915.
"E" " "Memoir #53 No. 44 Geo. Survey, D.B. Dowling 1914
"G" Various Sources believed by Compiler to be correct.

Note. Except in Numbers 2 and 3, Sub-Bituminous is grouped with Bituminous and Anthracite, See Memo.

Showing the six chief fields of Lignite sales representing upwards of 81% of the total. Also the three chief fields of sub-bituminous, and all the fields furnishing bituminous and Anthracite, showing in each case the percentage of sales of kind and the volume in tons of each of the fields mentioned.

③

Field	Percentage	Tonnage
LIGNITES OR DOMESTIC		
Taking the Fields in order of production represented in percentages and Tonnage		
Drumheller	38·76	1,122,055
Lethbridge	17·68	511,872
2 Combined	56·46	1,633,927
Clover Bar	14·22	411,768
3 Combined	70·68	2,045,695
Edmonton	3·68	106,707
4 Combined	74·36	2,152,402
Cardiff	3·41	98,731
5 Combined	77·77	2,251,133
Pembina	3·40	98,540
6 Combined	81·17	2,349,673

Leaving 18·83% or 544,547 tons distributed among 18 Fields, an average per field of 30,262 tons or slightly over 1% per field. If however, Taber, Canmore and Tofield are included, their sales combined, amount to 211,701 Tons or 7·24% leaving 332,846 Tons or 11·59% in the 15 fields or 22,000 Tons or 0·77% per field.

SUB - BITUMINOUS

This is a classification initiated in 1922. Leaving Pincher Creek and High River formerly classed as Lignite, Saunders as Bituminous and included in Brazeau

Field	Percentage	Tonnage
Yellowhead	86·49	529,319
Saunders	11·39	69·700
2 Combined	97·88	599·019
Pincher Creek	1·76	10,817
3 Combined	99·64	509,830

Leaving High River and Calgary 0·36% or 2,121 Tons

Field	Percentage	Tonnage
BITUMINOUS AND ANTHRACITE		
Crowsnest Pass	45·33	984,574
Mountain Park	16·27	353,524
2 Combined	61·60	1,338,098
Jasper Park	14·92	324,098
3 Combined	76·52	1,662,196
Brazeau	14·50	315,085
4 Combined	91·02	1,977,281
Canmore	7·23	157,108
5 Combined	98·25	2,134,389
Banff	1·71	37,243
Total	99·96	2,171,632

Graph showing where the Lignite or Domestic Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, and the United States, showing Sales in Tonnages and Percentages. (Note particularly the headings concerning the percentages.)

④

LIGNITE OR DOMESTIC SALES FOR 1922

Fields	Amount Exported	% of total Sales of each Kind 1,650,224	% of total Sales of all Kinds 3,178,187	BRITISH COLUMBIA. 69,701 tons or 4·22% of total Sales	% of total Sales in B.C. of Kind 69,701 Tons	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	SASKATCHEWAN 1,104,846 tons or 66·94% of total Sales	% of total Sales in Sask. of kind 1,104,846	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	MANITOBA 436,437 or 26·46% of total Sales.	% of total Sales in Man. of kind 436,437	% of total Sales of kind 1,650,224	% of total Sales of all kinds 3,178,187	ONTARIO 20,649 or 1·25% of Total Sales	% of total Sales in Ont. of kind 20,642	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	UNITED STATES 18,453 or 1·11% of Total Sales.	% of total Sales in U.S. of kind 18,453	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	RAILWAYS			
Drumheller	895,434	51·26	28·18	18,284	26·23	1·11	0·57	563,600	51·01	34·16	17·73	298,640	68·42	18·10	9·40	10,301	49·88	0·63	0·32	4,609	24·97	0·28	0·14				
Lethbridge	371,630	22·52	11·70	27,025	38·37	1·64	0·85	293,785	26·59	17·80	9·24	43,661	10·00	2·65	1·37	865	4·19	0·05	0·03	6,294	34·10	0·38	0·20				
Clover Bar	90,727	5·50	2·86	3,089	4·43	0·19	0·09	65,378	5·91	3·96	2·05	21,076	4·82	1·28	0·66	1,018	4·93	0·06	0·03	64	0·35						
Pembina	75,827	4·60	2·39	16,505	23·68	1·00	0·52	23,934	2·16	1·45	0·75	30,242	6·92	1·83	0·95	4,644	22·50	0·28	0·14	506	2·72	0·03	0·02				
Tofield	44,505	2·70	1·40	40				39,798	3·60	2·41	1·25	4,651	1·06	0·28	0·14												
Taber	39,143	2·37	1·23	1,082	1·56	0·06	0·03	24,568	2·22	1·49	0·77	8,596	1·96	0·52	0·27	528	2·56	0·03	0·01	4,369	23·67	0·26	0·13				
Camrose	24,986	1·51	0·79	Nil.	Nil	Nil.	Nil	20,674	1·87	1·25	0·65	4,247	0·97	0·26	0·13	65	0·31										
Cardiff	17,864	1·08	0·56	Nil.	Nil	Nil	Nil	14,621	1·32	0·89	0·46	3	0·74	0·20	0·10												
Big Valley	6,441	0·39	0·20	32				4,878	0·44	0·30	0·15	1,531	0·35	0·09	0·04												
Edmonton	6,293	0·38	0·20	30				3,369	0·30	0·20	1·06	2,874	0·66	0·18	0·91												
Balance—14 Fields	77,370	4·69	2·43	3,594	5·16	0·22	0·11	50,241	4·55	3·05	1·58	17,692	4·05	1·07	0·55	3,228	15·63	0·20	1·00	2,615	14·17	0·16	0·08				
Total.	1,650,224	100·00	51·94	69,701	99·83	4·22	2·06	1,104,846	99·97	66·96	35·69	436,473	99·95	26·46	14·52	20,649	100·00	1·25	1·53	18,453	99·96	1·11	0·57				

Graph showing where the Bituminous and Anthracite Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, U.S and Railways, showing sales in percentages and tonnage. The percentage allotted for Railways consumption outside the province is assumed at 50% of the Total.

⑤

BITUMINOUS AND ANTHRACITE SALES FOR 1922

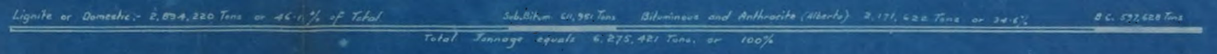
Fields	Amount Exported	% of total Sales of each Kind	% of total Sales of all Kinds	BRITISH COLUMBIA	%	%	%	SASKATCHEWAN	%	%	%	MANITOBA	%	%	%	ONTARIO	%	%	%	UNITED STATES	%	%	%	RAILWAYS			
Crowsnest Pass	530,030	34·69	16·68	10,386	27·13	0·68	0·33	54,770	20·56	3·60	1·73	11,757	13·99	0·77	0·37	92	9·66			86,640	99·58	5·67	2·72	366·385	34·86	24·00	11·53
Yellowhead.	280,792	18·38	8·83	13,279	34·69	0·87	0·42	27,272	10·24	1·80	0·86	42,344	50·40	2·77	1·33	405	43·83	0·05						194,472	18·79	12·73	6·21
Mountain Pk.	263,139	17·22	8·28	11,516	30·08	0·75	0·36	157,422	59·09	10·30	4·95	9,122	10·85	0·60	0·29									85,079	8·09	5·57	2·68
Jasper Park	161,855	10·60	5·09	304	0·80	0·02		246	0·69	0·01						34	3·68							161,271	15·34	10·56	5·08
Brazeau	154,490	10·11	4·36					37	0·01															154,453	14·69	10·11	4·86
Canmore	74,545	4·88	2·34	221	0·60	0·01		1,794	0·67	0·11	0·05	174	0·19	0·01										72,356	6·88	4·73	2·28
Anthracite	16,399	1·07	0·53	1288	3·36	0·08	0·04	796	0·30	0·05	0·02	10	0·01							70				14,235	1·35	0·93	0·45
Saunders	45,731	2·99	1·44	727	1·89	0·05	0·02	23,923	9·00	1·56	0·75	20,638	24·56	1·35	0·65	395	42·53	0·03	0·01	50							
Pincher Creek																				301	0·34	0·01	0·01				
High River	982	0·06	0·03	553	1·45	0·04	0·02	123	0·04																		
and Calgary																											
Total	1,527,963	100·00	48·06	38,279	100·00	2·50		266,403	100·00	17·43		84,045	100·00	5·50		924	100·00	0·06		86,991	99·92	5·68		1,051,251	100·00	68·83	
Grand Total	3,178,187		100·00	107,980				1,371,249				520 518				21,573				105,514				1,051,251			

ALBERTA AND SOUTH-EASTERN BRITISH COLUMBIA, COMBINED

Note. The Bituminous Field of Southern Alberta and South Eastern British Columbia are one and the same field. Interests are interlocking, therefore it would be logical and advisable to combine them.

Scale:- 1" equals 600,000 Tons

⑭



Total Tonnage equals 6,275,421 Tons. or 100%

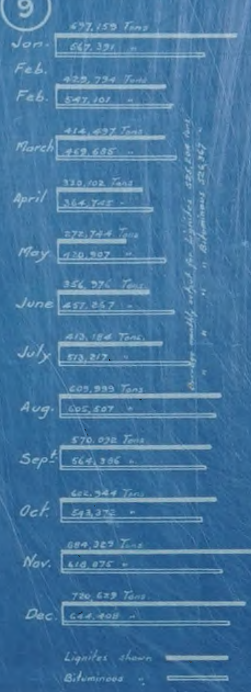
B.C. BITUMINOUS Showing where produced and Shipped to. Total Output 597,628 Tons.

FIELD	OUTPUT OF FIELD	UNITED STATES SALES	CANADIAN SALES	Analysis M.	V.	F	A	B.T.U.	Authority
Coal Creek	304,866 Tons or 51%	214,519 Tons or 53·7%	90,347 Tons or 45·55%	0·87	25·28	68·32	5·53	14,658	W. R. Wilson, Pres. Crowsnest Pass Coal Company, Ltd. 16th Aug. 1923.
Michel	232,866 " " 39%	140,209 " " 35·2%	92,297 " " 46·55%	0·80	24·52	67·45	7·23	14,192	
Corbin Coal and Coke Company	59,896 " " 10%	44,157 " " 11·1%	15,739 " " 7·9%						
Total	597,628 " " 100%	398,885 " " 100%	199,383 " " 100%						

⑨ The total Monthly output both for the Lignite and Bituminous Fields for the years 1920 - 21. Note the average production. Each of the two are the same within a few tons, so that the two average lines cannot be shown separately. It will also be noticed that the variation from the average is very much greater for the Lignite than it is for the Bituminous

LIGNITES AND BITUMINOUS
Total Output for 1920-21 Combined
Scale:- 400,000 Tons = 1"

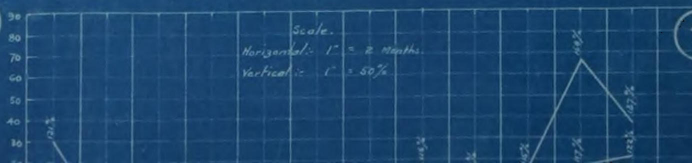
⑨



⑩

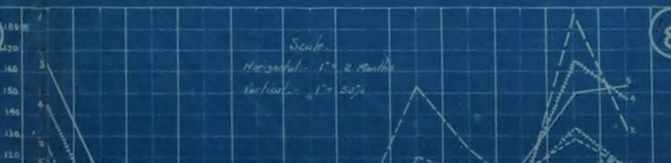
Graph showing the total output of Lignites and Bituminous Coals for each month of the year by percentages, taking the average monthly production as 100. (As there was a strike during 1922, the combined production of 1920 and 1921 is taken on which to base the percentages.

⑥



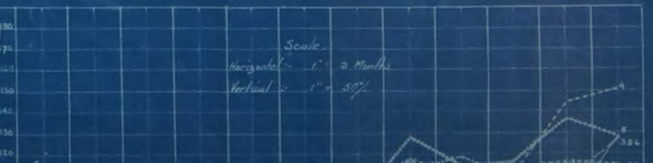
Graph showing the Five chief mines of the Lignite production showing the output for each month of the year, taking 100 as the average monthly production and basing it as in No. 6, on the combined production for the years 1920 and 1921

⑦



Graph showing the six chief mines of the Bituminous production, showing the output for each month of the year, taking 100 as the average monthly production, and basing it as in No 6 and 7, on the combined production for the years 1920 and 1921
Note These six fields practically cover the entire production.

⑧



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July 1923.

④ Graph showing where the Lignite or Domestic Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, and the United States, showing Sales in Tonnages and Percentages. (Note particularly the headings concerning the percentages.)

LIGNITE OR DOMESTIC SALES FOR 1922

Fields	Amount Exported	% of total Sales of each Kind 1,650,224	% of total Sales of all Kinds 3,178,187	BRITISH COLUMBIA. 69,701 tons or 4.22% of total Sales	% of total Sales in B.C. of Kind 69,701 Tons	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	SASKATCHEWAN 1,104,846 tons or 66.96 % of total Sales	% of total Sales in Sask. of kind 1,104,846	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	MANITOBA 436,437 or 26.46 % of total Sales	% of total Sales in Man. of kind 436,437	% of total Sales of kind 1,650,224	% of total Sales of all kinds 3,178,187	ONTARIO 20,649 or 1.25 % of Total Sales	% of total Sales in Ont. of kind 20,642	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	UNITED STATES 18,453 or 1.11% of Total Sales.	% of total Sales in U.S. of kind 18,453	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	RAILWAYS			
Drumheller	895,434	51.26	28.18	18,284	26.23	1.11	0.57	563,600	51.01	34.16	17.73	298,640	68.42	18.10	9.40	10,301	49.88	0.63	0.32	4,609	24.97	0.28	0.14				
Lethbridge	371,630	22.52	11.70	27,025	38.37	1.64	0.85	293,785	26.59	17.80	9.24	43,661	10.00	2.65	1.37	865	4.19	0.05	0.03	6,294	34.10	0.38	0.20				
Clover Bar	90,727	5.50	2.86	3,089	4.43	0.19	0.00	65,378	5.91	3.96	2.05	21,076	4.82	1.28	0.66	1,018	4.93	0.06	0.03	64	0.35						
Pembina	75,827	4.60	2.39	16,505	23.68	1.00	0.52	23,934	2.16	1.45	0.75	30,242	6.92	1.83	0.95	4,644	22.50	0.28	0.14	506	2.72	0.03	0.02				
Tofield	44,509	2.70	1.40	40				39,798	3.60	2.41	1.25	4,651	1.06	0.28	0.14												
Taber	39,143	2.37	1.23	1,082	1.56	0.06	0.03	24,568	2.22	1.49	0.77	8,596	1.96	0.52	0.27	528	2.56	0.03	0.01	4,369	23.67	0.26	0.13				
Camrose	24,986	1.51	0.79	Nil.	Nil	Nil.	Nil	20,674	1.87	1.25	0.65	4,247	0.97	0.26	0.13	65	0.31										
Cardiff	17,864	1.08	0.56	Nil.	Nil	Nil	Nil	14,621	1.32	0.89	0.46	3	0.74	0.20	0.10												
Big Valley	6,441	0.39	0.20	32				4,878	0.44	0.30	0.15	1,531	0.35	0.09	0.04												
Edmonton	6,293	0.38	0.20	30				3,369	0.30	0.20	1.06	2,894	0.66	0.18	0.91												
Balance,- 14 Fields	77,370	4.69	2.43	3,594	5.16	0.22	0.11	50,241	4.55	3.05	1.58	17,692	4.05	1.07	0.55	3,228	15.63	0.20	1.00	2,615	14.17	0.16	0.08				
Total.	1,650,224	100.00	51.94	69,701	99.83	4.22	2.06	1,104,846	99.97	66.96	35.69	436,473	99.95	26.46	14.52	20,649	100.00	1.25	1.53	18,453	99.96	1.11	0.57				

⑤ Graph showing where the Bituminous and Anthracite Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, U.S and Railways, showing sales in percentages and tonnage. The percentage allotted for Railways consumption outside the province is assumed at 50% of the Total.

BITUMINOUS AND ANTHRACITE SALES FOR 1922

Fields	Amount Exported	% of kind	% of all Kinds	BRITISH COLUMBIA				SASKATCHEWAN				MANITOBA				ONTARIO				UNITED STATES				RAILWAYS			
Crowsnest Pass	530,030	34.69	16.68	10,386	27.13	0.68	0.33	54,770	20.56	3.60	1.73	11,757	13.99	0.77	0.37	92	9.66			86,640	99.58	5.67	2.72	366,385	34.86	24.00	11.53
Yellowhead	280,792	18.38	8.83	13,279	34.69	0.87	0.42	27,272	10.24	1.80	0.86	42,344	50.40	2.77	1.33	405	43.83	0.03						194,472	18.79	12.93	6.21
Mountain Pk.	263,139	17.22	8.28	11,516	30.08	0.75	0.36	157,422	59.09	10.30	4.95	9,122	10.85	0.60	0.29									85,079	8.09	5.57	2.68
Jasper Park	161,855	10.60	5.09	304	0.80	0.02		246	0.09	0.01						34	3.68							161,271	15.34	10.56	5.08
Brazeau	154,490	10.11	4.86					37	0.01															154,453	14.69	10.11	4.86
Canmore	74,545	4.88	2.34	221	0.60	0.01		1,794	0.67	0.11	0.05	174	0.19	0.01										72,356	6.88	4.73	2.28
Anthracite	16,399	1.07	0.53	1288	3.36	0.08	0.04	796	0.30	0.05	0.02	10	0.01							70		1		14,235	1.35	0.93	0.45
Saunders	45,731	2.99	1.44	727	1.89	0.05	0.02	23,923	9.00	1.56	0.75	20,638	24.56	1.35	0.65	395	42.53	0.03	0.01	50							
Pincher Creek																				301	0.34	0.01	0.01				
High River	982	0.06	0.03	553	1.45	0.04	0.02	123	0.04																		
and Calgary																											
Total	1,527,963	100.00	48.06	38,279	100.00	2.50		266,405	100.00	17.43		84,045	100.00	5.50		924	100.00	0.06		86,991	99.92	5.68		1,051,251	100.00	68.83	
Grand Total	3,178,187		100.00	107,980				1,371,249				520,518				21,573				105,514				1,051,251			

⑨ The total Monthly output both for the Lignite and Bituminous Fields for the years 1920-21. Note the average production. Each of the two are the same within a few tons, so that the two average lines cannot be shown separately. It will also be noticed that the variation from the average is very much greater for the Lignite than it is for the Bituminous

⑩ Graph showing the monthly output of the Five chief mines (Lignite) which includes all that produce upwards of 100,000 Tons per annum. The said Five mines produces 81.41% of the Total output, leaving 18.59% to be divided among the remaining 21 Fields. Note the Vertical lines which represent the average monthly output of Lignites for each of the Five mines. The output for the Lethbridge Field is much steadier than any of the others. The largest field (Drumheller) has much the greatest variation.

⑪ Graph showing the % of increase or decrease of Lignite production for the month, based on the preceding month. (1920-21 combined) The Vertical centre line represents the average monthly production for the year and the horizontal line to the left shows the monthly percentage in which it is under. The line to the right shows where it exceeds the monthly average.
It is thought that this would prove both interesting and instructive.

⑫ Graph showing the monthly output of the entire Bituminous Field. This is worked out on the same basis as No 10. It will be noticed however that there is much less monthly variation in the Bituminous, than there is in the Lignites. The leading field viz:- Crowsnest Pass has a less percentage of variation than the other fields.

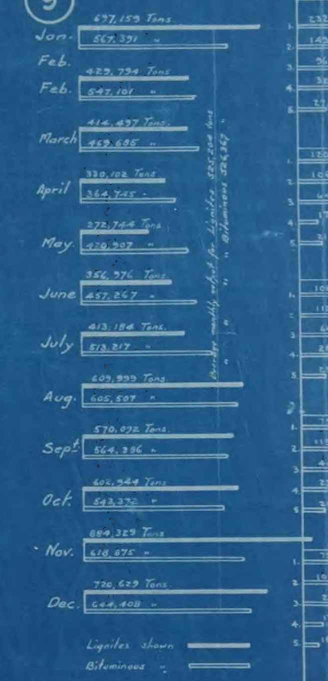
⑬ Graph showing the percentage of increase and decrease of Bituminous Coals, based on the preceding month. 1920 and 1921 Combined. Graph similar to Number 11.

LIGNITES AND BITUMINOUS

Total Output for 1920-21 Combined

Scale:- 400,000 Tons = 1"

⑨



LIGNITES

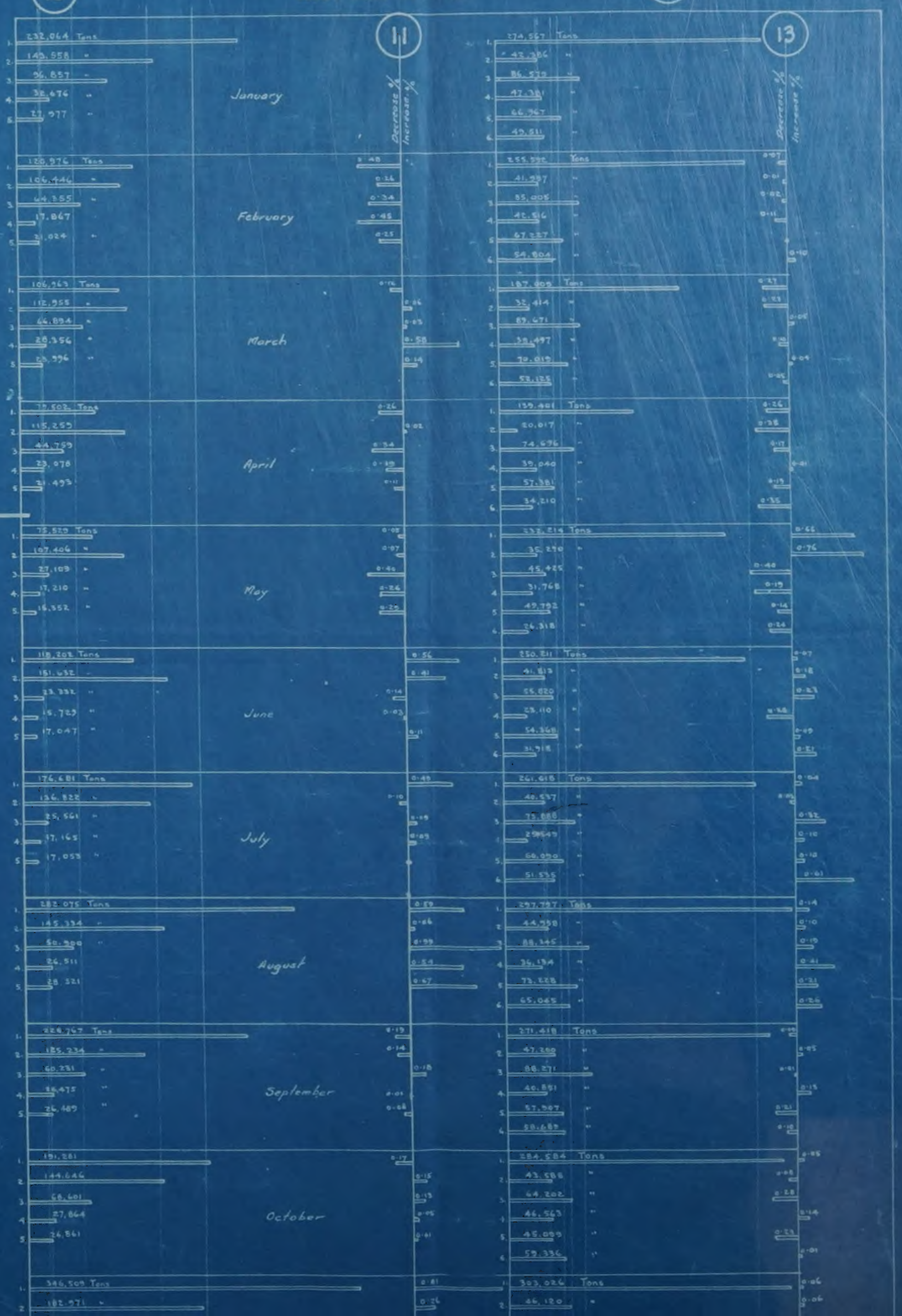
1920 and 1921 Combined.

Scale:- 100,000 Tons = 1 inch

BITUMINOUS

1920 and 1921 Combined

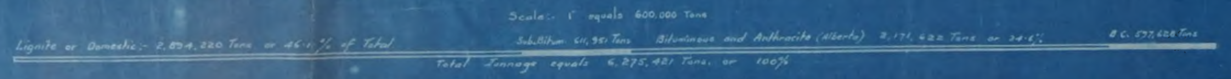
⑩ ⑪ ⑫ ⑬



ALBERTA AND SOUTH-EASTERN BRITISH COLUMBIA, COMBINED

Note. The Bituminous Field of Southern Alberta and South Eastern British Columbia are one and the same field. Interests are interlocking, therefore it would be logical and advisable to combine them.

⑭



Total Tonnage equals 6,275,421 Tons, or 100%

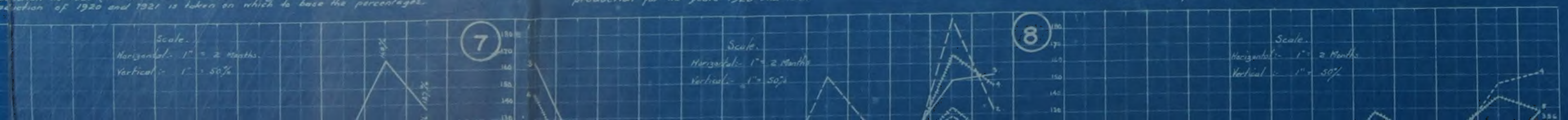
B.C. BITUMINOUS. Showing where produced and Shipped to. Total Output 597,628 Tons.

FIELD	OUTPUT OF FIELD	UNITED STATES SALES	CANADIAN SALES	Analysis M.	V.	F.	A.	B.T.U.	Authority
Coal Creek	304,866 Tons or 51%	214,519 Tons or 53.7%	90,347 Tons or 45.55%	0.87	25.28	68.32	5.53	14,658	W. R. Wilson, Pres. Crowsnest Pass Coal Company, Ltd. 16th Aug. 1923.
Michel	232,866 " " 39%	140,209 " " 35.2%	92,297 " " 46.55%	0.80	24.52	67.45	7.23	14,192	
Carbin Coal and Coke Company	59,896 " " 10%	44,157 " " 11.1%	15,739 " " 7.9%						
Total	597,628 " " 100%	398,885 " " 100%	198,383 " " 100%						

Graph showing the total output of Lignites and Bituminous Coals each month of the year by percentages, taking the average monthly production as 100. (As there was a strike during 1922, the combined production of 1920 and 1921 is taken on which to base the percentages.

⑦ Graph showing the Five chief mines of the Lignite production showing the output for each month of the year, taking 100 as the average monthly production and basing it as in No. 6, on the combined production for the years 1920 and 1921

⑧ Graph showing the six chief mines of the Bituminous production, showing the output for each month of the year, taking 100 as the average monthly production, and basing it as in No 6 and 7 on the combined production for the years 1920 and 1921. Note These six fields practically cover the entire production.



noticed that the variation from the average is very much greater for the Lignite than it is for the Bituminous

is much steadier than any of the others. The largest field (Drumheller) has much the greatest variation.

has a less percentage of variation than the other fields.

④ Graph showing where the Lignite or Domestic Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, and the United States, showing Sales in Tonnages and Percentages. (Note particularly the headings concerning the percentages.)

LIGNITE OR DOMESTIC SALES FOR 1922

Fields	Amount Exported	% of total Sales of each Kind 1,650,224	% of total Sales of all Kinds 3,178,187	BRITISH COLUMBIA. 69,701 tons or 4·22% of total Sales	% of total Sales in B.C. of Kind 69,701 Tons	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	SASKATCHEWAN 1,104,846 tons or 66·96% of total Sales	% of total Sales in Sask. of kind 1,104,846	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	MANITOBA 436,437 or 26·46% of total Sales	% of total Sales in Man. of kind 436,437	% of total Sales of kind 1,650,224	% of total Sales of all kinds 3,178,187	ONTARIO 20,649 or 1·25% of Total Sales	% of total Sales in Ont. of kind 20,642	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	UNITED STATES 18,453 or 1·11% of Total Sales	% of total Sales in U.S. of kind 18,453	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	RAILWAYS			
Drumheller	895,434	51·26	28·18	18,284	26·23	1·11	0·57	563,600	51·01	34·16	17·73	298,640	68·42	18·10	9·40	10,301	49·88	0·63	0·32	4,609	24·97	0·28	0·14				
Lethbridge	371,630	22·52	11·70	27,025	38·37	1·64	0·85	293,785	26·59	17·80	9·24	43,661	10·00	2·65	1·37	865	4·19	0·05	0·03	6,294	34·10	0·38	0·20				
Clover Bar	90,727	5·50	2·86	3,089	4·43	0·19	0·09	65,378	5·91	3·96	2·05	21,076	4·82	1·28	0·66	1,018	4·93	0·06	0·03	64	0·35						
Pembina	75,827	4·60	2·39	16,505	23·68	1·00	0·52	23,954	2·16	1·45	0·75	30,242	6·92	1·83	0·95	4,644	22·50	0·28	0·14	506	2·72	0·03	0·02				
Tofield	44,509	2·70	1·40	60				39,798	3·60	2·41	1·25	4,651	1·06	0·28	0·14												
Taber	39,143	2·37	1·23	1,082	1·56	0·06	0·03	24,568	2·22	1·49	0·77	8,596	1·96	0·52	0·27	528	2·56	0·03	0·01	4,369	23·67	0·26	0·13				
Camrose	24,986	1·51	0·79	Nil.	Nil	Nil.	Nil	20,674	1·87	1·25	0·65	4,247	0·97	0·26	0·13	65	0·31										
Cardiff	17,864	1·08	0·56	Nil.	Nil	Nil	Nil	14,421	1·32	0·89	0·46	3	0·74	0·20	0·10												
Big Valley	4,441	0·29	0·20	32				4,878	0·44	0·30	0·15	1,531	0·35	0·09	0·04												
Edmonton	6,293	0·38	0·20	30				3,369	0·30	0·20	1·06	2,874	0·66	0·18	0·91												
Balance – 14 Fields	77,370	4·69	2·43	3,594	5·16	0·22	0·11	50,241	4·55	3·05	1·58	17,692	4·05	1·07	0·55	3,228	15·63	0·20	1·00	2,615	14·17	0·16	0·08				
Total.	1,650,224	100·00	51·94	69,701	99·83	4·22	2·06	1,104,846	99·97	66·96	35·69	436,473	99·95	26·46	14·52	20,649	100·00	1·25	1·53	18,453	99·96	1·11	0·57				

⑤ Graph showing where the Bituminous and Anthracite Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, U.S and Railways, showing sales in percentages and tonnage. The percentage allotted for Railways consumption outside the province is assumed at 50% of the Total.

BITUMINOUS AND ANTHRACITE SALES FOR 1922

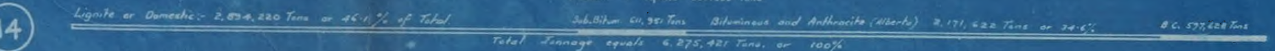
Crowsnest Pass	530,030	34·69	16·68	10,386	27·13	0·68	0·33	54,770	20·56	3·60	1·73	11,757	13·99	0·77	0·37	92	9·66			86,640	99·58	5·67	2·72	366,385	34·86	24·00	11·53
Yellowhead.	280,792	18·38	8·83	13,279	34·69	0·87	0·42	27,272	10·24	1·80	0·86	42,344	50·40	2·77	1·33	405	43·83	0·03						194,472	18·79	12·93	6·21
Mountain Pk.	263,139	17·22	8·28	11,516	30·08	0·75	0·36	157,422	59·09	10·30	4·95	9,122	10·85	0·60	0·29									85,079	8·09	5·57	2·68
Jasper Park	161,855	10·60	5·09	304	0·80	0·02		246	0·69	0·01						34	3·68							161,271	15·34	10·56	5·08
Brazeau	154,490	10·11	4·86					37	0·01															154,453	14·69	10·11	4·86
Canmore	74,545	4·88	2·34	221	0·60	0·01		1,794	0·67	0·11	0·05	174	0·19	0·01										72,356	6·88	4·73	2·28
Anthracite	16,399	1·07	0·53	1288	3·36	0·08	0·04	796	0·30	0·05	0·02	10	0·01							70				14,235	1·35	0·93	0·45
Saunders	45,731	2·99	1·44	727	1·89	0·05	0·02	23,923	9·00	1·56	0·75	20,638	24·56	1·35	0·65	395	42·53	0·03	0·01	50							
Pincher Creek High River and Calgary	982	0·06	0·03	553	1·45	0·04	0·02	123	0·04											301	0·34	0·01	0·01				
Total	1,527,963	100·00	48·06	38,279	100·00	2·50		266,403	100·00	17·43		84,045	100·00	5·50		924	100·00	0·06		86,991	99·92	5·68		1,051,251	100·00	68·83	
Grand Total	3,178,187		100·00	107,980				1,371,249				520,518				21,573				105,514				1,051,251			

ALBERTA AND SOUTH-EASTERN BRITISH COLUMBIA, COMBINED

Note. The Bituminous Field of Southern Alberta and South Eastern British Columbia are one and the same field. Interests are interlocking, therefore it would be logical and advisable to combine them.

⑭

Scale:- 1" equals 600,000 Tons



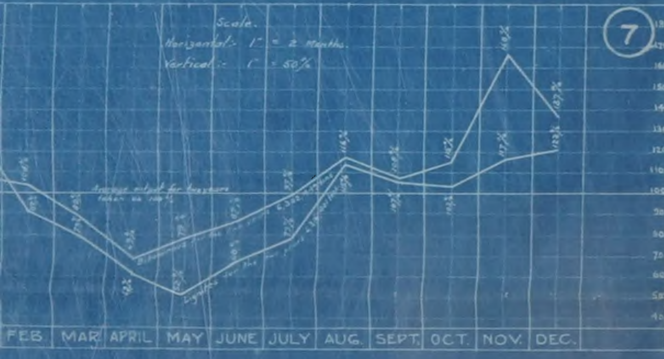
Total Tonnage equals 6,275,421 Tons, or 100%

B. C. BITUMINOUS. Showing where produced and Shipped to. Total Output 597,628 Tons.

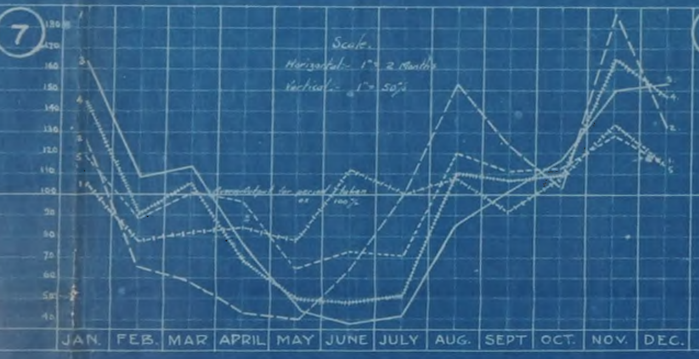
FIELD	OUTPUT OF FIELD	UNITED STATES SALES	CANADIAN SALES
Coal Creek	304,866 Tons or 51%	214,519 Tons or 53·7%	90,347 Tons or 45·55%
Michel	232,866 " " 39%	140,209 " " 35·2%	92,297 " " 46·55%
Corbin Coal and Coke Company	59,896 " " 10%	44,157 " " 11·1%	15,739 " " 7·9%
Total	597,628 " " 100%	398,885 " " 100%	199,383 " " 100%

Analysis					Authority
M.	V.	F.	A.	B.T.U.	
0·87	25·28	68·32	5·53	14,656	W. R. Wilson, Pres. Crowsnest Pass Coal Company, Ltd. 16th Aug. 1923.
0·80	24·52	67·45	7·23	14,192	

Graph showing the total output of Lignites and Bituminous Coals for each month of the year by percentages, taking the average monthly production as 100. (As there was a strike during 1922, the combined production of 1920 and 1921 is taken on which to base the percentages.

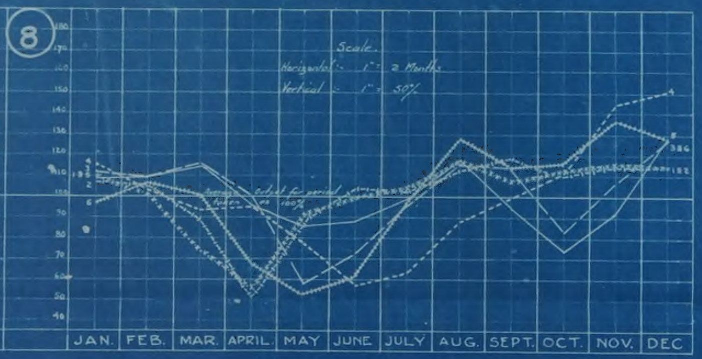


Graph showing the Five chief mines of the Lignite production showing the output for each month of the year, taking 100 as the average monthly production and basing it as in No. 6, on the combined production for the years 1920 and 1921



Legend. No. 1. denotes Drumheller and is shown thus:- -·-·-·-·-·-·-
No. 2. " Lethbridge " " " " — — — — — —
No. 3 " Clover Bar " " " " ————————
No. 4 " Cardiff " " " " ++++++++++++
No. 5 " Pembina " " " " - - - - - - - - - -

Graph showing the six chief mines of the Bituminous production, showing the output for each month of the year; taking 100 as the average monthly production, and basing it as in No. 6 and 7, on the combined production for the years 1920 and 1921
Note These six fields practically cover the entire production.

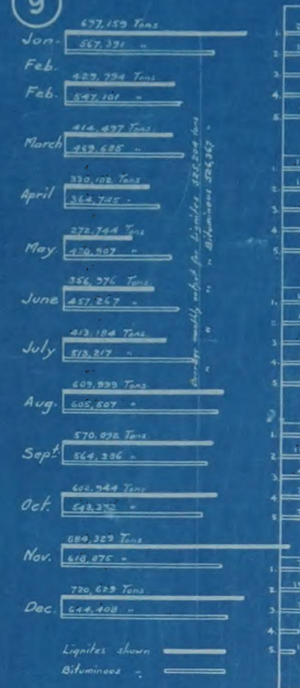


Legend. No. 1 denotes Crowsnest Pass and is shown thus:- ×·×·×·×·×·×
No. 2 " Canmore " " " " -·-·-·-·-·-·-
No. 3 " Brazeau " " " " — — — — — —
No. 4 " Jasper Park " " " " - - - - - - - - - -
No. 5 " Yellowhead " " " " ————————
No. 6 " Mountain Park " " " " ++++++++++++

LIGNITES AND BITUMINOUS

Total Output for 1920-21 Combined.
Scale:- 400,000 Tons = 1"

⑨



LIGNITES

1920 and 1921 Combined.

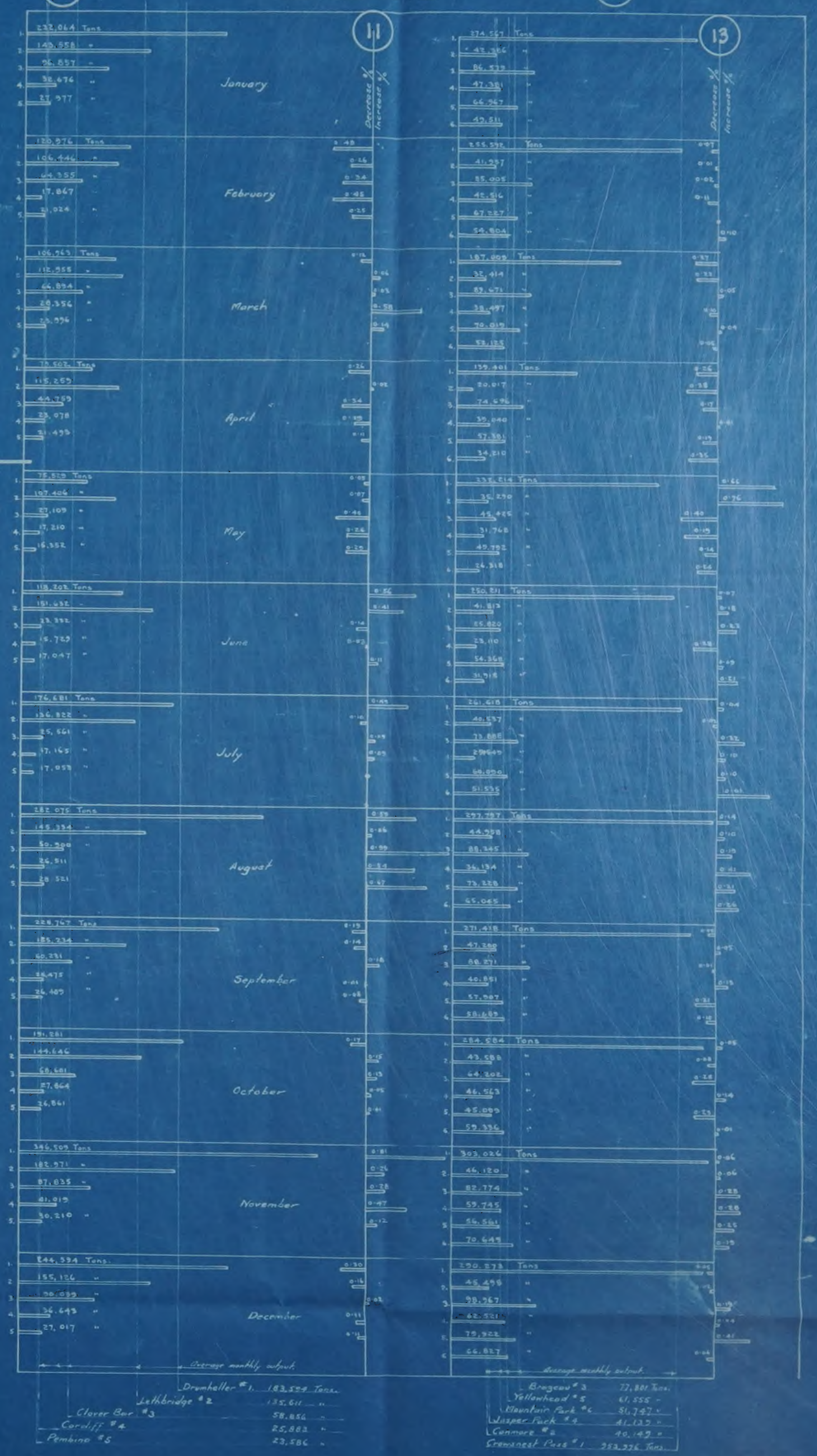
⑩

Scale:- 100,000 Tons = 1 inch

BITUMINOUS

1920 and 1921 Combined

⑫



each field; Thirdly, the percentage of sales of kind; Fourth, the percentage of Sales of all kinds. It also shows the analysis of the Coals of each field so far as obtainable.
Sales equal 93·78% of the total output of Lignites
and 96·40% " " " " Bituminous

②

No.	Field	Total Sales	% of total sales of kind	% of total sales of all kinds	M.	V.	F.	A	B.T.U.	Auth.
	LIGNITES OR DOMESTIC									
1	Lethbridge	511,872 Tons	17·68	9·01	7·9	34·54	47·43	10·13	11,710	C
2	Magrath	3,137 "	·108	·005	3·91	38·01	46·79	11·33	6,897	E
3	Milk River	8,816 "	·282	·155	3·91					
4	Taber	53,057 "	1·83	·934	11·7	31·79	44·04	12·45	11,040	C
5	Bow Island	5,883 "	·203	·136	17·26	30·90	46·27	5·57	9,259	E
6	Medicine Hat	30,965 "	1·07	·545	19·06	33·07	42·35	5·51	8,833	E
7	Aldersyde	11,872 "	·41	·209	10·37	32·44	50·84	6·78	10,189	G
8	Drumheller	1,122,055 "	38·76	19·76	16·5	33·6	43·4	6·5	9,650	D
9	Big Valley	36,068 "	1·246	·635	17·26	30·94	42·78	9·26		E
10	Brooks	15,272 "	·527	·268						
11	Hanna	40,056 "	1·38	·705						
12	Lacombe	15,706 "	·542	·276	14·7	31·17	42·03	12·10	8,714	G
13	Trochu	17,475 "	·603	·307	12·2	32·1	49·3	6·4	10,002	G
14	Three Hills	41,057 "	1·418	·723	11·70	30·75	51·35	6·2		G
15	Carbon	38,052 "	1·31	·67	11·57	35·64	45·21	7·79		E
16	Battle River	22,382 "	·773	·394	[illegible]	31·75	46·59	6·66	9,744	G
17	Camrose	72,513 "	2·505	1·27	16·8	31·22	46·13	6·25	9,361	G
18	Tofield	86,131 "	2·906	1·51	25·0	29·8	36·7	8·5	7,990	D
19	Clover Bar	411,768 "	14·22	7·25						
20	Edmonton	106,707 "	3·68	1·88	18·97	32·61	40·18	8·25	11,000	C
21	Namao	7,991 "	·276	1·40						
22	Cardiff	98,731 "	3·41	1·738	26·0	31·6	40·4	5·0	8,770	D
23	Wabamum	38,112 "	1·38	·671	16·4	31·52	45·19	6·9	9,234	G
24	Pembina	98,540 "	3·40	1·735	17·6	29·33	43·83	9·33	9,040	D
	Total	2,894,220								
	SUB-BITUMINOUS									
25	Pincher Creek	10,811 Tons	1·76	·19	3·8	28·96	38·67	28·57	9,810	C
26	High River	1,960 "	·32	·034	2·35	35·27	56·58	5·87		E
27	Calgary	161 "	·026	·002						
28	Saunders	69,700 "	11·39	1·227						
29	Yellow Head	529,319 "	86·49	9·322	2·3	18·5	57·8	21·4	11,580	G
	Total	611,951								
	BITUMINOUS AND ANTHRACITE									
30	Crowsnest Pass	984,574 "	45·33	17·34	4·77	26·1	56·41	16·62	12,410	C
31	Canmore	157,108 "	7·23	2·767	1·02	13·46	82·02	3·62		E
32	Brazeau	315,085 "	14·50	5·547	0·51	17·53	68·35	13·61	13,155	G
33	Jasper Park	324,098 "	14·92	5·708	2·3	18·5	57·8	21·4	11,580	G
34	Mountain Park	353,524 "	16·27	6·226	3·2	30·5	62·0	4·3	14,216	G
35	Banff	37,243 "	1·71	·655						
	Total	2,171,632								

The percentage of Moisture in the Lignite Coals, found in the generally flat seams in these fields, increases with the distance eastward from the area of the Rocky Mountains.

Note "M" denotes "Moisture" Content". "V" denotes "Volatile Combustible."
"F" " "Fixed Carbon" "A" " "Ash"
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Authority "C" denotes "McGill University. (Investigations by Porter, Durley # 83, Vol. 13)
"D" " Mines Branch No. 331 - 1915.
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Note. Except in Numbers 2 and 3, Sub-Bituminous is grouped with Bituminous and Anthracite. See Memo.

representing upwards of 81% of the total. Also the three chief fields of sub-bituminous, and all the fields furnishing bituminous and Anthracite, showing in each case the percentage of sales of kind and the volume in tons of each of the fields mentioned.

③

Field	Percentage	Tonnage
LIGNITES OR DOMESTIC		
Taking the Fields in order of production represented in percentages and Tonnage		
Drumheller	38·76	1,122,055
Lethbridge	17·68	511,872
2 Combined	56·46	1,633,927
Clover Bar	14·22	411,768
3 Combined	70·68	2,045,695
Edmonton	3·68	106,707
4 Combined	74·36	2,152,402
Cardiff	3·41	98,731
5 Combined	77·77	2,251,133
Pembina	3·40	98,540
6 Combined	81·17	2,349,673

Leaving 18·83% or 544,547 tons distributed among 18 Fields, an average per field of 30,262 tons or slightly over 1% per field. If however, Taber, Canmore and Tofield are included, their sales combined, amount to 211,701 Tons or 7·24% leaving 332,846 Tons or 11·59% in the 15 fields or 22,000 Tons or 0·77% per field.

SUB-BITUMINOUS

This is a classification initiated in 1922. Leaving Pincher Creek and High River formerly classed as Lignite, Saunders as Bituminous and included in Brazeau

Field	Percentage	Tonnage
Yellowhead	86·49	529,319
Saunders	11·39	69·700
2 Combined	97·88	599·019
Pincher Creek	1·76	10,817
3 Combined	99·64	509,830

Leaving High River and Calgary 0·36% or 2,121 Tons

Field	Percentage	Tonnage
BITUMINOUS AND ANTHRACITE		
Crowsnest Pass	45·33	984,574
Mountain Park	16·27	353,524
2 Combined	61·60	1,338,098
Jasper Park	14·92	324,098
3 Combined	76·52	1,662,196
Brazeau	14·50	315,085
4 Combined	91·02	1,977,281
Canmore	7·23	157,108
5 Combined	98·25	2,134,389
Banff	1·71	37,243
Total	99·96	2,171,632

Graph showing where the Lignite or Domestic Coals were disposed of outside the Province, viz:- B.C., Saskatchewan, Manitoba, Ontario, and the United States, showing Sales in Tonnages and Percentages. (Note particularly the headings concerning the percentages.)

④

LIGNITE OR DOMESTIC SALES FOR 1922

Fields	Amount Exported	% of total Sales of each Kind 1,650,224	% of total Sales of all Kinds 3,178,187	BRITISH COLUMBIA. 69,701 tons or 4·22% of total Sales	% of total Sales in B.C. of Kind 69,701 Tons	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	SASKATCHEWAN 1,104,846 tons or 66·96% of total Sales	% of total Sales in Sask. of kind 1,104,846	% of total Sales of Kind 1,650,224	% of total Sales of all Kinds 3,178,187	MANITOBA 436,437 or 26·46% of total Sales	% of total Sales in Man. of kind 436,437	% of total Sales of kind 1,650,224	% of total Sales of all kinds 3,178,187	ONTARIO 20,649 or 1·25% of Total Sales	% of total Sales in Ont. of kind 20,642	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	UNITED STATES 18,453 or 1·11% of Total Sales	% of total Sales in U.S. of kind 18,453	% of total Sales of kind 1,650,187	% of total Sales of all kinds 3,178,187	RAILWAYS			
Drumheller	895,434	51·26	28·18	18,284	26·23	1·11	0·57	563,600	51·01	34·16	17·73	298,640	68·42	18·10	9·40	10,301	49·88	0·63	0·32	4,609	24·97	0·28	0·14				
Lethbridge	371,630	22·52	11·70	27,025	38·37	1·64	0·85	293,785	26·59	17·80	9·24	43,661	10·00	2·65	1·37	865	4·19	0·05	0·03	6,294	34·10	0·38	0·20				
Clover Bar	90,727	5·50	2·86	3,089	4·43	0·19	0·09	65,378	5·91	3·96	2·05	21,074	4·82	1·28	0·66	1,018	4·93	0·06	0·03	64	0·35						
Pembina	75,827	4·60	2·39	16,505	23·68	1·00	0·52	23,934	2·16	1·45	0·75	30,242	6·92	1·83	0·95	4,644	22·50	0·28	0·14	506	2·72	0·03	0·02				
Tofield	44,509	2·70	1·40	60				39,798	3·60	2·41	1·25	4,651	1·06	0·28	0·14												
Taber	39,143	2·37	1·23	1,082	1·56	0·06	0·03	24,568	2·22	1·49	0·77	8,596	1·96	0·52	0·27	528	2·56	0·03	0·01	4,369	23·67	0·26	0·13				
Camrose	24,986	1·51	0·79	Nil.	Nil	Nil.	Nil	20,674	1·87	1·25	0·65	4,247	0·97	0·26	0·13	65	0·31										
Cardiff	17,864	1·08	0·56	Nil.	Nil	Nil	Nil	14,681	1·32	0·89	0·46	3	0·74	0·20	0·10												
Big Valley	6,441	0·39	0·20	32				4,878	0·44	0·30	0·15	1,531	0·35	0·09	0·04												
Edmonton	6,293	0·38	0·20	30				3,369	0·30	0·20	1·06	2,894	0·66	0·18	0·91												
Balance - 14 Fields	77,370	4·69	2·43	3,594	5·16	0·22	0·11	50,241	4·55	3·05	1·58	17,692	4·05	1·07	0·55	3,228	15·63	0·20	1·00	2,615	14·17	0·16	0·08				
Total.	1,650,224	100·00	51·94	69,701	99·83	4·22	2·06	1,104,846	99·97	66·96	35·69	436,473	99·95	26·46	14·52	20,649	100·00	1·25	1·53	18,453	99·96	1·11	0·57				

Graph showing where the Bituminous and Anthracite Coals were disposed of outside the Province, viz:- B. C., Saskatchewan, Manitoba, Ontario, U. S and Railways, showing sales in percentages and tonnage. The percentage allotted for Railways consumption outside the province is assumed at 50% of the Total.

⑤

BITUMINOUS AND ANTHRACITE SALES FOR 1922

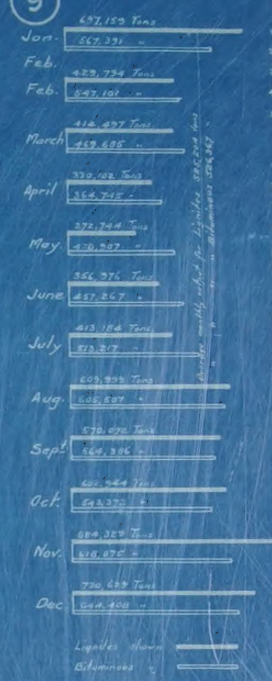
Fields	Amount Exported	% of each Kind	% of all Kinds	BRITISH COLUMBIA	% in B.C. of Kind	% of Kind	% of all Kinds	SASKATCHEWAN	% in Sask. of kind	% of Kind	% of all Kinds	MANITOBA	% in Man. of kind	% of kind	% of all kinds	ONTARIO	% in Ont. of kind	% of kind	% of all kinds	UNITED STATES	% in U.S. of kind	% of kind	% of all kinds	RAILWAYS			
Crowsnest Pass	530,030	34·69	16·68	10,386	27·13	0·68	0·33	54,770	20·56	3·60	1·73	11,757	13·99	0·77	0·37	92	9·66			86,640	99·58	5·67	2·72	366,385	34·86	24·00	11·53
Yellowhead.	280,792	18·38	8·83	13,279	34·69	0·87	0·42	27[illegible],272	10·24	1·80	0·86	42,344	50·40	2·77	1·33	405	43·83	0·03						194,472	18·79	12·93	6·21
Mountain Pk.	263,139	17·22	8·28	11,516	30·08	0·75	0·36	157,422	59·09	10·30	4·75	9,122	10·85	0·60	0·29									85,079	8·09	5·57	2·48
Jasper Park	161,855	10·60	5·09	304	0·80	0·02		246	0·69	0·01						34	3·68							161,271	15·34	10·56	5·08
Brazeau	154,490	10·11	4·86					37	0·01															154,453	14·69	10·11	4·86
Canmore	74,545	4·88	2·34	221	0·60	0·01		1,794	0·67	0·11	0·05	174	0·19	0·01										72,356	6·88	4·73	2·28
Anthracite	16,399	1·07	0·53	1288	3·36	0·08	0·04	796	0·30	0·05	0·02	10	0·01							70				14,235	1·35	0·93	0·45
Saunders	45,731	2·99	1·44	727	1·89	0·05	0·02	23,923	9·00	1·56	0·75	20,638	24·56	1·35	0·65	395	42·53	0·03	0·01	50							
Pincher Creek High River and Calgary	982	0·06	0·03	553	1·45	0·04	0·02	123	0·04											301	0·34	0·01	0·01				
Total	1,527,963	100·00	48·06	38,279	100·00	2·50		266,403	100·00	17·43		84,045	100·00	5·50		924	100·00	0·06		86,991	99·92	5·68		1,051,251	100·00	68·83	
Grand Total	3,178,187		100·00	107,980				1,371,249				520,518				21,573				105,514				1,051,251			

noticed that the variation from the average is very much greater for the Lignite than it is for the Bituminous

LIGNITES AND BITUMINOUS

Total Output for 1920-21 Combined
Scale:- 400,000 Tons = 1"

⑨



ALBERTA AND SOUTH-EASTERN BRITISH COLUMBIA, COMBINED

Note. The Bituminous Field of Southern Alberta and South Eastern British Columbia are one and the same field. Interests are interlocking, therefore it would be logical and advisable to combine them.

⑭

Scale:- 1" equals 600,000 Tons

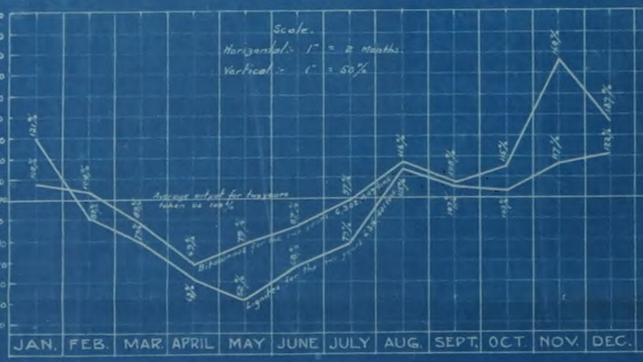
Lignite or Domestic:- 2,894,220 Tons or 46·1% of Total
Sub-Bitum. 611,951 Tons
Bituminous and Anthracite (Alberta) 2,171,622 Tons or 34·6%
B.C. 597,628 Tons
Total Tonnage equals 6,275,421 Tons, or 100%

B. C. BITUMINOUS Showing where produced and Shipped to. Total Output 597,628 Tons.

FIELD	OUTPUT OF FIELD	UNITED STATES SALES	CANADIAN SALES	M.	V.	F	A	B.T.U.	Authority
Coal Creek	304,866 Tons or 51%	214,519 Tons or 53·7%	90,347 Tons or 45·55%	0·87	25·28	68·32	5·53	14,458	W. R. Wilson, Pres. Crowsnest Pass Coal Company, Ltd. 16th Aug. 1923.
Michel	232,866 " " 39%	140,209 " " 35·2%	92,297 " " 46·55%	0·80	24·52	67·45	7·23	14,192	
Corbin Coal and Coke Company	59,896 " " 10%	44,157 " " 11·1%	15,739 " " 7·9%						
Total	597,628 " " 100%	398,885 " " 100%	198,383 " " 100%						

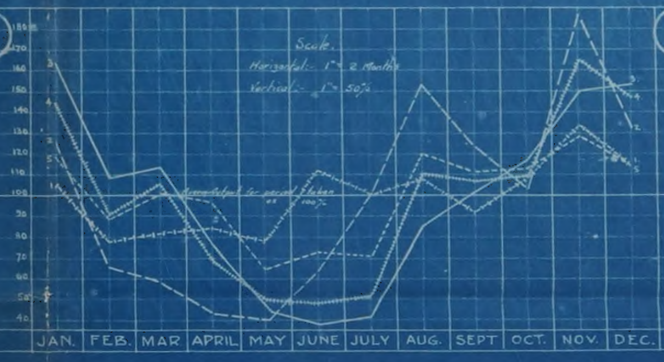
Graph showing the total output of Lignites and Bituminous Coals for each month of the year by percentages, taking the average monthly production as 100. (As there was a strike during 1922, the combined production of 1920 and 1921 is taken on which to base the percentages.

⑥



Graph showing the Five chief mines of the Lignite production showing the output for each month of the year, taking 100 as the average monthly production and basing it as in No. 6, on the combined production for the years 1920 and 1921

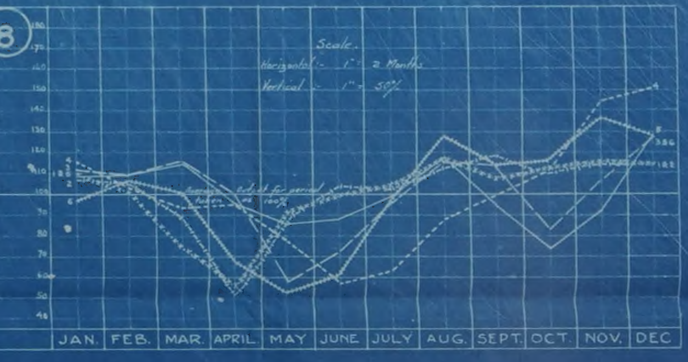
⑦



Legend. No. 1. denotes Drumheller and is shown thus:-
No. 2 " Lethbridge " " "
No. 3 " Clover Bar " " "
No. 4 " Cardiff " " "
No. 5 " Pembina " " "

Graph showing the six chief mines of the Bituminous production, showing the output for each month of the year, taking 100 as the average monthly production, and basing it as in No. 6 and 7, on the combined production for the years 1920 and 1921.
Note These six fields practically cover the entire production.

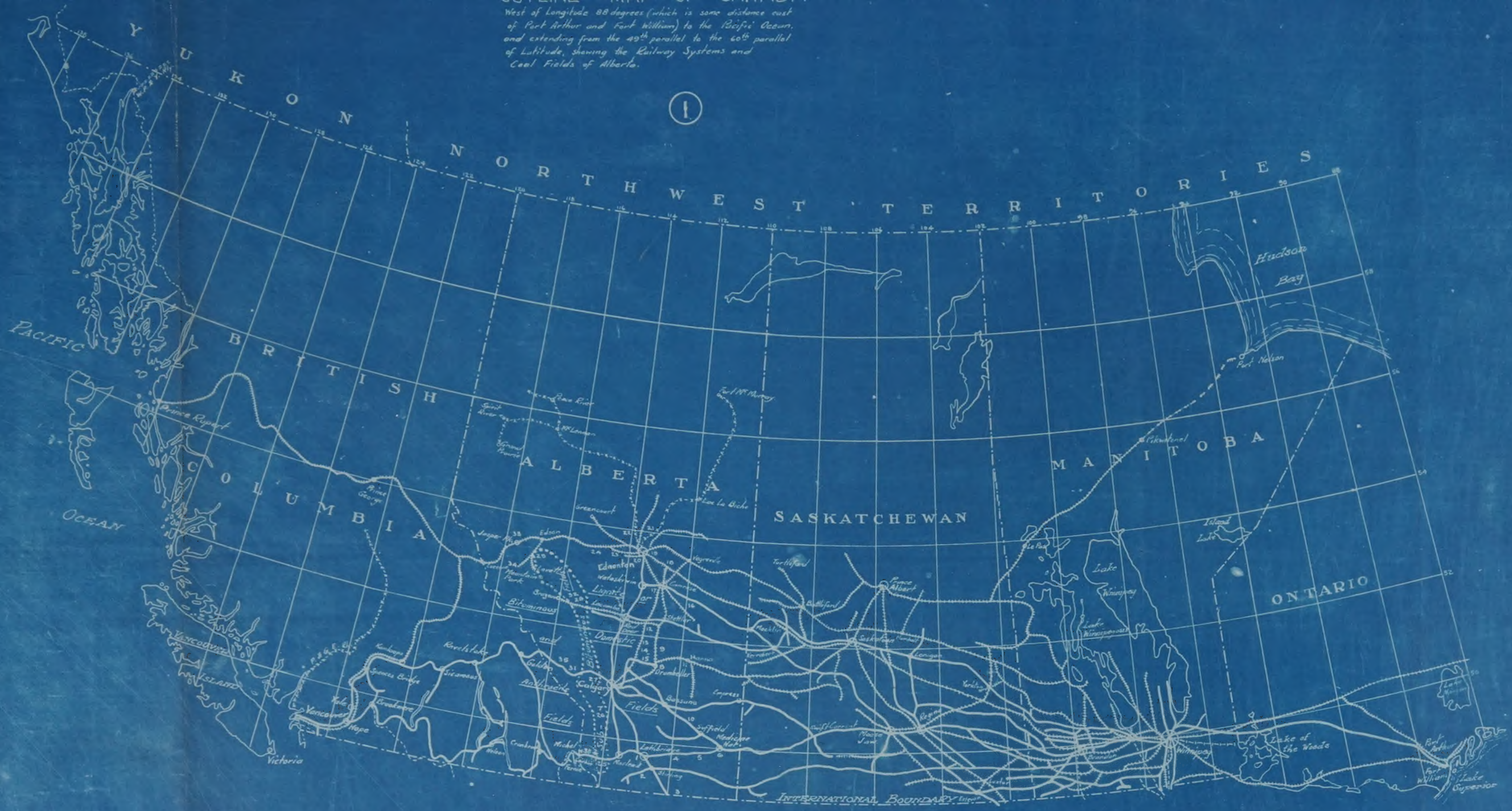
⑧



Legend. No. 1 denotes Crowsnest Pass and is shown thus:-
No. 2 " Canmore " " "
No. 3 " Brazeau " " "
No. 4 " Jasper Park " " "
No. 5 " Yellowhead " " "
No. 6 " Mountain Park " " "

West of Longitude 88 degrees (which is some distance east
of Port Arthur and Fort William) to the Pacific Ocean,
and extending from the 49th parallel to the 60th parallel
of Latitude, showing the Railway Systems and
Coal Fields of Alberta.

①



LEGEND

Canadian National Railway System.	shown thus	┼┼┼┼┼┼┼┼┼┼
Canadian Pacific Railway.	" "	————————
Edmonton, Dunvegan and B.C. Rly. and Canada Central Rly. Alberta and Great Waterways Railway. Lacombe and North Western Railway	Provincial Railways of Alberta. " "	—x—x—x—x—x—
Great Northern Railway	" "	- - - - - - - - - -
Winnipeg Waterways Railway	" "	—ı—ı—ı—ı—ı—ı—

kind; Fourth, the percentage of Sales of all kinds.
It also shows the analysis of the Coals of each
field so far as obtainable.
Sales equal 93·78% of the total output of Lignites
and 96·40% " " " " Bituminous

and all the
Anthracite,
of sales o
tons of a

②

No.	Field	Total Sales	% of total sales of kind	% of total sales of all kinds.	Analysis M.	V.	F.	A	B.T.U.	Auth.
	LIGNITES OR DOMESTIC									
1	Lethbridge	511,872 Tons	17·68	9·01	7·9	34·54	47·43	10·13	11,710	C
2	Magrath	3,137 "	·108	·005	3·91	38·01	46·75	11·33	11,297	E
3	Milk River	8,816 "	·282	·155	3·91					
4	Taber	53,057 "	1·83	·934	11·7	31·79	44·06	12·45	11,[illegible]	C
5	Bow Island	5,883 "	·203	·136	17·26	30·90	46·27	5·57	9,[illegible]	E
6	Medicine Hat	30,965 "	1·07	·545	19·06	33·07	45·25	5·51	8,833	E
7	Aldersyde	11,872 "	·41	·209	11·47	32·49	51·34	4·78	10,189	G
8	Drumheller	1,122,055 "	38·76	19·76	14·5	35·6	43·4	6·5	9,451	D
9	Big Valley	36,068 "	1·246	·635	17·26	30·94	42·78	9·26		E
10	Brooks	15,272 "	·527	·268						
11	Hanna	40,056 "	1·38	·705						
12	Lacombe	15,706 "	·542	·276	14·7	31·17	42·03	12·10	8,714	G
13	Trochu	17,475 "	·603	·307	12·2	32·1	49·7	6·4	10,442	G
14	Three Hills	41,057 "	1·418	·723	11·79	30·75	51·15	6·2		G
15	Carbon	38,052 "	1·31	·67	11·57	35·44	45·21	7·78		E
16	Battle River	22,382 "	·773	·394	[illegible]	33·75	46·59	6·44	9,744	G
17	Camrose	72,513 "	2·505	1·27	16·8	31·22	45·73	6·25	9,361	G
18	Tofield	86,131 "	2·906	1·51	25·6	29·8	34·7	9·5	7,776	D
19	Clover Bar	411,768 "	14·22	7·25						
20	Edmonton	106,707 "	3·68	1·88	18·97	32·61	41·[illegible]	6·25	11,[illegible]	C
21	Namao	7,991 "	·276	1·40						
22	Cardiff	98,731 "	3·41	1·738	20·0	31·4	40·4	8·6	8,750	D
23	Wabamun	38,112 "	1·38	·671	16·4	31·52	45·19	6·9	9,234	G
24	Pembina	98,540 "	3·40	1·735	17·6	29·12	43·[illegible]	9·11	[illegible]	D
	Total	2,894,220								
	SUB-BITUMINOUS									
25	Pincher Creek	10,811 Tons	1·76	·19	3·8	29·56	38·47	28·17	9,800	C
26	High River	1,960 "	·32	·034	2·35	36·27	36·38	5·87		E
27	Calgary	161 "	·026	·002						
28	Saunders	69,700 "	11·39	1·227						
29	Yellow Head	529,319 "	86·49	9·322	2·9	18·5	57·8	21·4	11,580	G
	Total	611,951								
	BITUMINOUS AND ANTHRACITE									
30	Crowsnest Pass	984,574 "	45·33	17·34	4·77	24·1	56·48	14·62	12,414	C
31	Canmore	157,108 "	7·23	2·767	1·02	13·46	82·02	3·62		E
32	Brazeau	315,085 "	14·50	5·547	0·51	17·23	68·05	13·41	13,155	G
33	Jasper Park	324,098 "	14·92	5·708	2·3	18·5	57·8	21·4	11,580	G
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	Total	2,171,632								

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